ANNUAL PROGRESS REPORT

(01.04.2024 to 31.12.2024)

KRISHI VIGYAN KENDRA
BOKARO, PETARWAR
DIST. - BOKARO
BIRSA AGRICULTURAL UNIVERSITY
RANCHI, JHARKHAND.

PROFORMA FOR ANNUAL REPORT 2024 (01st January- 31st December 2024)

1. GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

Name and address of KVK	Telephone		E-Mail
	Office	FAX	
KrishiVigyan Kendra, Bokaro P.O.-Petarwar Pin- 829121	06549-265048 (O) 09431176741 (M)	FAX	KrishiVigyan Kendra, Bokaro P.O.-Petarwar Pin- 829121

1.2. Name and address of host organization with phone, fax and e-mail

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
Birsa Agricultural University, Jharkhand, Kanke, Ranchi Pin-834006	(VC) 0651-2450500(O)	0651-2450850	Birsa Agricultural University, Jharkhand, Kanke, Ranchi Pin-834006

1.3. Name of Senior Scientist and Head with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Anil Kumar	9431176741	9431176741	anilkvk4@gmail.com

1.4. Year of sanction of KVK with council order No. and date:
(Reference of Sanction Order)
2004. Vide letter No. of ICAR- F.No. 6-5/2000-AE-1 dated 24-6-2004

1.5. Year of start of KVK: --2004

1.5. Staff Position (**as on 31st December 2024**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Sr. Scientist & Head	Dr. Anil Kumar	I/C Sr. Scientist & Head Scientist	Horticulture	79800-211500 Basic: 117100	19-07-04	Permanent	Others
2	Scientist	Dr. Adarsh Kumar Srivastava	Scientist	Agril. Extension	Basic117100 79800-211500	01.03.23	Permanent	Others
3	Scientist	Sri Uday Kumar	Scientist	Agronomy	Basic: 110400 79800-211500	19-07-04	Permanent	Others
4	Scientist	Sri Vinay Kumar	Scientist	Agril. Engg.	Basic: 110400 79800-211500	20-07-04	Permanent	Others
5	Scientist	Mrs Neena Bharti	Scientist	Plant Protection	Basic: 110400 79800-211500	20-07-04	Permanent	ST
6	Scientist	Dr. Nandana Kumari	Scientist	Home Science	Basic: 120600 79800-211500	19-07-04	Permanent	Others
7	Programme Assistant	Dr. Rupa Rani	Programme Assistant	Horticulture	35400-112400 Basic: 66000	16-03-05	Permanent	Others
8	Computer Programmer	Naman Kandulna	Computer Assistant	-	35400-112400 Basic: 64100	20-07-04	Permanent	ST
9	Farm Manager	Rashmi Kandulna	Farm Manager	-	35400-112400 Basic:68000	20.07.04-	Permanent	ST
10	A.V Aids Astt.	Sunil Kr. Pandey	Audio Visual Aid	-	35400-112400 Basic: 64100	20.07.04	Permanent	Others
11	Accountant / Superintendent	Sri Abhay Kumar Singh	O.S.cum Accountant	-	11000.00		Contractual Staff	Others
12	Stenographer	Sri Ratnesh Kumar Mishra	Stenographer	-	9000.00		Contractual Staff	Others
13.	Driver	Sri Ranchandra Lohar	Driver	-	9000.00		Contractual Staff	ST
14.	Driver	Sri Panchanand Mahto		-	9000.00		Contractual Staff	Others
15.	Supporting staff	Sri Ruplal Marandi		-	7000.00		Contractual Staff	ST
16.	Supporting staff	Sri Durga Prasad Mahto		-	7000.00		Contractual Staff	Others

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings Under Demonstration Units	2.0	Administrative Building, Farmers Hostel, Staff Quarters
2.	Under Crops	6	Cereal, Pulse, Oilseed, Vegetable etc
3.	Orchard/Agro-forestry	1	Mango, Guava, Awanla, Bel etc.
4.	Technology park	0.4	
5.	Pond	0.2	Fish and irrigation
6.	Unutilized land due to undulating	0.4	
	Total	**10**	

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Completed	500		I.C.A.R.
2.	Farmers Hostel					Completed	300		I.C.A.R.
3.	Staff Quarters (6)			Completed up to lintel level		Incomplete	400		I.C.A.R.
4.	Piggery unit	Not yet started							
5	Fencing					Completed			District Administration
6	Rain Water harvesting structure					Incomplete(Micro irrigation system is not installed)	120x120x10 ft pond		I.C.A.R.
7	Threshing floor					Completed			I.C.A.R.
8	Farm godown					Completed			I.C.A.R.
9.	Farm godown					Completed			District Administration
10.	Preservation unit					Completed			I.C.A.R.
11.	Dairy unit					Completed			I.C.A.R.
12.	Poultry unit	Not started							
13.	Goatry unit	Not started							
14.	Mushroom Lab	Not started							
15.	Mushroom production unit								
16	Shade house	Not started							
17.	Soil test Lab					Completed			District Administration

* If not in use, then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Jeep	2005	431129.00	369715.0 K.M.	Required to be replaced **Condemnation certificate sent to ATARI for replacement**

Tractor	2006	361200.00	4100.0hrs	Required to be replaced (Maintenance cost is very high)
Bike	2017	50000		Running
Bike	2017	50000		Running

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Refrigerator	2007	11990.00	Good	I.C.A.R.
Food processor	2007	4995.00	Good	I.C.A.R.
Commercial gas cylinder	2008	3000.00	Good	I.C.A.R.
Weighing machine	2008	7540.00	Good	I.C.A.R.
Weighing machine	2010	12740.00	Good	I.C.A.R.
Weighing machine	2010	7260.00	Good	I.C.A.R.
Aqua soft dispenser	2012	20000.00	Good	I.C.A.R.
Crown corking machine	2013	19700.00	Good	I.C.A.R.
Tomato Pulpar	2013	29800.00	Good	I.C.A.R.
Screw type Juice Extractor	2013	22000.00	Good	I.C.A.R.
Refractometer	2013	43000.00	Good	I.C.A.R.
b. Farm machinery				
c. AV Aids				
Computer	2006	45000.00	Good	I.C.A.R.
UPS	2006	7000.00	Good	I.C.A.R.
Laser Printer	2006	8000.00	Good	I.C.A.R.
Fax Machine	2006	8000.00	Not installed	I.C.A.R.
Xerox	2007	72000.00	Not functioning	I.C.A.R.
2 KVA Stabilizer	2007	4850.00	Good	I.C.A.R.
Stabilizer 500 VA Manual Auto-cut	2007	1750.00	Good	I.C.A.R.
Camera	2005	12650.00	Good	
Camera	2007	14512.50	Not functioning properly	I.C.A.R.
LCD Projector	2007	51989.00	Good	I.C.A.R.
HAKIM Audio Visual Trolley	2007	8534.00	Good	I.C.A.R.
Projector Screen 8'x6'	2007	7550.00	Good	I.C.A.R.
15Mtrs special imported moulded VGA cable	2007	7500.00	Good	I.C.A.R.
Laser pointer torch with duel effect	2007	2200.00	Good	I.C.A.R.
AHUJA Medium Power Amplified -120 Watt	2013	8847.36	Good	I.C.A.R.
AHUJA 2 way compact PA wall Speaker	2013	8694.72	Good	I.C.A.R.
AHUJA Reflex Horn-WFA-21" Bell Dia	2013	986.84	Good	I.C.A.R.
AHUJA Driver unit –Model- AU40XT	2013	1408.77	Good	I.C.A.R.
AHUJA PA Microphone- Model AUD 101XLR	2013	1693.85	Good	I.C.A.R.

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund

Seed drill cum fertilizer drill	2005	775.00	Good	I.C.A.R.
Birsa Ridger plough	2005	485.00	Good	I.C.A.R.
Japanese paddy weeder	2005	525.00	Good	I.C.A.R.
Drylandweeder	2005	300.00	Good	I.C.A.R.
Birsa potato digger	2005	625.00	Good	I.C.A.R.
Paddy transplanter	2006	-	Good	
Cultivator 9 tine	2006	14200.00	Good	I.C.A.R.
Land leveler	2006	8080.00	Good	I.C.A.R.
Offset disk	2006	28020.00	Good	I.C.A.R.
Trailer 4 wheel with tyre tube	2006	76500.00	Good	I.C.A.R.
Disc plough 2 furrow	2007	26995.00	Good	I.C.A.R.
Grass cutter	2007	38500	Good	I.C.A.R.
M.B. Plough	2007	26993.00	Good	I.C.A.R.
Rottary tiller	2007	88585.00	Good	I.C.A.R.
Power sprayer	2007	48500.00	Good	I.C.A.R.
Cage wheel nut bolt type	2007	5250.00	Good	I.C.A.R.
Zero till fertilizer drill	2010	-	Good	I.C.A.R.
Power Tiller	2011		Good	I.C.A.R.
Field king laser Guided Land Leveler Machine	2012		Good	I.C.A.R.

2. Priority thrust areas of KVKs

S. No	Thrust area
1.	Popularization of Soil and water conservation techniques
2.	Intensification in crop production system
3.	Development of seed production system.
4.	Value addition of locally available fruits & vegetables.
5.	Improvement of indigenous poor breeds of livestock.
6.	Soil Fertility Management
7.	Insect pest and disease management of major crops
8.	Entrepreneurship development through mushroom, vermi compost production.
9.	Farm Mechanization

2. a. District level data on agriculture, livestock and farming situation (2024)

Sl. No.	Items	Information
1	Major Farming system of the district	1. Agriculture + Horticulture (Vegetable) + Animal Husbandry 2. Agriculture + Horticulture (Vegetable) 3. Agriculture + Animal Husbandry 4. Agriculture + Horticulture (Vegetable) + Animal Husbandry+ Fishery 5. Agriculture + Horticulture (Vegetable) + Animal Husbandry+ Lac culture 6. Agriculture + Animal Husbandry+ Lac culture Agriculture + Labour
2	One district one product (NITI Ayog)	
2	Agro-climatic Zone	IV- Central North Eastern Plateau Zone Characteristics: Geographical area of Zone = 41293 K.m^2 Mining dominates in central part.

		Damodar, Barakar, More and Ajay are the main rivers of this zone. Damodar basin is famous for coal. This zone is characterized by having humid & sub humid tropical monsoon type of climate. Average rainfall of the zone is 1320 m.m. Monsoon breaks in the second week of June. In normal years pre monsoon rains are received in the month of May about 60 m.m. Apart from this winter rain during December- February is sparse. Soil developed on Rajmahal traps are dark, heavy textured, neutral in reaction and moderately well drained to poorly drained and moderately rich in N but poor in P&K. Soils of Dhanbad&Giridih areas are light textured, moderately to slightly acidic and moderately well drained and poor in N & P and moderate to fairly rich in K. Upland Soils of Ranchi and Hazaribagh areas are gravely to sandy, shallow, acidic and of very poor fertility status where as medium land soil are yellow coloured, slightly to moderate acidic, some what poorly drained & moderately fertile where as the soils of Koderma side are light textured, silty in nature, yellowish to reddish in colour& neutral to moderately acidic in reaction. These are poor to moderate in N, poor in available P and rich to very rich in K. Very limited irrigation potential has been exploited in this zone. Although it is claimed that 8-9% area is irrigated. Larger part of agricultural land is rainfed. Less than 55% area comes under net cultivated area. Good forest is available on 12-13 percent land. Rice, maize, wheat, potato, linseed, rapseed and mustard, til, niger, ground nut and vegetables are major crops of the region. Climate of the Bokaro district is sub humid with water deficiency in winter. Temperature ranges from 2^0C in winter to 45^0C in hot summer. The main drainage system is Damodar&Swarnrekha rivers. Only 5-8% of net sown area is irrigated. The average annual rainfall of the district is 1275 mm. Upland soils are red to brownish red in colour, light textured, well drained, acidic in reaction and poor in organic carbon, N, Ca, Mg., P & S. Medium land soils are yellow, yellowish in colour, light to medium texture, moderately acidic and poor in N, Ca, Mg and organic matter. Whereas the low land soils are gray to grayish in colour, heavy textured, neutral to slightly alkaline in reaction, poorly drained and medium in N and organic matter. The major crops of the district are rice, maize, wheat, potato, lentil, linseed, rapseed& mustard, groundnut, potato and vegetables like ladys finger, tomato, brinjal, 7rench bean, raddish, cauliflower, cabbage & cucurbits.
3	Agro ecological situation	1. Red sandy loam, gravely undulating topography with mines and forests: Undulating topography, having red sandy loam soil, full of gravels, covered with perennial forests, having mines 2. Sandy loam rainfed: Upland sandy loam soil, no irrigation facility, agriculture only depend on rain water 3. Sandy loam irrigated: Medium land, sandy loam soil, having irrigation facility Clay loam rainfed :Low land, clay loam soil, agriculture depend only rain water
4	Soil type	**1.** Stony and gravely soil: Found in the foot hill prone to intensive erosion low water holding capacity highly acidic low in fertility status and organic matter content only suitable for pasture and recreation purpose. **2.** Light texture soil (Sandy soil) :Found in upland, coarse texture soil, highly acidic in reaction, low water holding capacity, low in organic matter content and poor in fertility status, rich in micronutrient except Boron and Molybdenum, prone to erosion. **3.** Medium texture soil (Loamy soil): Found in medium land, soil texture is mainly sandy loam to sandy clay loam, soils are moderately acidic, poor in fertility status and low in organic matter content and water holding capacity is moderate. Fine textured soil (Clayey soil) :Heavy texture soil , found in low land, soils

		are fairly acidic to neutral in reaction, water holding capacity is high, organic matter content is medium and moderate in fertility status.					
5	Productivity of major crops of districts	Crop	Area (ha)			Productivity (Qtl /ha)	
		Summer Rice	148			19.3	
		Kharif Rice	41576			29.5	
		Maize	2386			25.0	
		Wheat	2789			22.34	
		Finger millet	125			6.8	
		Chick pea	4815			15	
		Potato	1056			296	
		Onion	849			188.6	
		Oilseed					
		Veg. (name)					
		Fruit (Name)					
		Others					
6	Mean yearly temperature, rainfall, humidity of the district	Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity(%)	
				Maximum	Minimum	7.00AM	2.00PM
7	Production of major livestock products like, , etc.	**Category**	**Population**				
		Cattle					
		Crossbred	24176				
		Indigenous	458804				
		Buffalo	78806				
		Sheep					
		Crossbred	200				
		Indigenous	43166				
		Goats	224396				
		Pigs	224326				
		Crossbred	2054				
		Indigenous	686137				
		Rabbits	463				
		Poultry					
		Hens					
		Desi	177167				
		Improved	59932				
		Ducks	14141				
		Turkey and others	411				

Note: Please give recent data only

2.b. Details of operational area / villages (2024)

Sl. No.	Taluk	Name of the block	Name of the village	Major crops & enterprises	Major problem identified(Crop wise)	Identified Thrust Area
1.	Bermo	Petarwar	Ambadih, Chargi,Jaruatanr, Bundu,Lukaiya, Koh, Jaradih, Itke, Chanpi, Angwali, Kojram, Rukam etc.	Paddy Maize Groundnut Vegetables Potato Sweet potato Onion Mustard Poultry Goatry	1. Low productivity in cereals & pulses 2. Low profitability in vegetable cultivation 3. Low productivity in poultry &goatry	1. Introduction of high yielding and hybrid varieties of paddy 2. INM & IPM in paddy 3. Introduction of disease resistant variety of vegetable specially in tomato &brinjal 4. Introduction high yielding variety of Arhar gram, groundnut, mustard and Niger 5.Management of soil acidity through furrow application of lime and sweet potato cultivation with integrated nutrient management 6. Income generation activity for rural youth & farm women 7. Rain water harvesting. 8. INM & IPM 9. Post harvest management, marketing & value addition 10. Farm mechanization 11. Introduction of high yielding variety of maize and wheat with integrated crop management 12. Moisture conservation and micro irrigation system 13. Breed improvement in goatry and piggery 14. Disease and feed management in poultry and goatry 15. Organic vegetable cultivation
2.	Bermo	Kasmar	Durgapur, Raghunathpur, Madhukarpur, Mayapur, Kurko, Chandipur, Baraikala, Ranitanr, Manjura, Rangamati, Hisim, Kedla.	Paddy Maize Wheat Arhar Gram Niger Mustard Groundnut Vegetable Potato Sweet potato Lac Poultry Goatry	1. Low productivity in cereals & pulses 2. Low profitability in vegetable crops 3. Low productivity in poultry &goatry 4. Low productivity in oilseed crops 5. Low productivity in lac	
3.	Bermo	Gomia	Saram, Dhedhe,Tulbul, Mahuatanr, Lalpaniya, Kander	Paddy Vegetable Maize Wheat Arhar Niger Mustard Sweet potato Poultry Goatry Lac	1. Low productivity in cereals & pulses 2. Low profitability in vegetable crops 3. Low productivity in poultry &goatry 4. Low productivity in oilseed crops 5. Low productivity in lac	
4.	Bermo	Bermo	Jaridih, Govindpur	Paddy Maize Arhar Niger Vegetable Potato Lac Goatry	1. Low productivity in cereals & pulses 2. Low profitability in vegetable crops 3. Low productivity in poultry &goatry 4. Low productivity in lac	
5.	Bermo	Chandrapura	Taranari, Narra, Telo, Jarua, Kurumba, Paranga	Paddy Maize Arhar Vegetable Potato Lac Poultry Goatry	1. Low productivity in cereals & pulses 2. Low profitability in vegetable crops 3. Low productivity in poultry &goatry 4. Low productivity in lac	

6.	Bermo	Nawadih	Alargo, Bhalmara, Chapri, Narayanpur, Penk, Kothi	Paddy Maize Arhar Niger Vegetable Potato Lac Poultry Goatry Piggery	1. Low productivity in cereals & pulses 2. Low profitability in vegetable crops 3. Low productivity in poultry, goatry& piggery 4. Low productivity in oilseed crops 5. Low productivity in lac	16. Popularization of sweet corn and baby corn 17. Popularization of low volume high value vegetable crops such as broccoli, colourd capsicum, 18. Popularization of mushroom production
7.	Chas	Chas	Dharmpura, Pokhanna, Jhopro, Ulgoda, Pindrajora,KasiJharia,	Paddy Maize Wheat Arhar Gram Mustard Vegetable Poultry Goatry Lac	1. Low productivity in cereals & pulses 2. Low profitability in vegetable crops 3. Low productivity in poultry &goatry 4. Low productivity in oilseed crops 5. Low productivity in lac	
8.	Chas	Chandankiyari	Chandankiyari, Bansgari, Lanka, Machatanr, Siyaljori, Bermo	Paddy Maize Groundnut Vegetables Potato Poultry Goatry	1. Low productivity in cereals & pulses 2. Low profitability in vegetable crops 3. Low productivity in poultry &goatry 4. Low productivity in oilseed crops 5. Low productivity in lac	
9.		Jaridih	Tilaiya, Bhaski, Beldih, Araju, Gangjori, Pichri	Paddy Maize Wheat Arhar Gram Mustard Vegetable Poultry Goatry	1. Low productivity in cereals & pulses 2. Low profitability in vegetable crops 3. Low productivity in poultry &goatry 4. Low productivity in oilseed crops 5. Low productivity in lac	

2. c. Details of village adoption programme during 2024:
Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2024) for its development and action plan

Name of village	Block	Action taken for development

Raghunathpur	Kasmar	Base line survey is completed for knowing the existing condition of the village. Problems have been identified and accordingly some steps have been taken through our mandated activities. Scientists are regularly visiting these adopted villages and providing timely advice for crops related problems.
Chandipur	Kasmar	
Jaruatanr	Petarwar	
Manjura	Kasmar	
Koh	Petarwar	
Ambadih	Petarwar	

3. TECHNICAL ACHIEVEMENTS

3.1. Summary details of target and achievement of mandatory activities by KVK during the year 2024

OFT												**FLD**											
No. of technologies tested:												No. of technologies demonstrated:											
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
6	6											650 ha	650 ha	1000	93	153	387	434	342	563	822	1150	1972

Training												**Extension activities**											
Number of Courses		Number of Participants										Number of activities		Number of participants									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
75	103	2500	46	547	246	1080	503	1544	805	3083	3878												

Impact of capacity building											**Impact of Extension activities**										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T

Seed production (q)			**Planting material (in Lakh)**		
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
Paddy-- IR64 DRT			Mango Amrapali, Langra, Mallika	500	
Paddy Rajendra mansuri			Vegetable Seedling	50000	
Finger Millet A404					
Mustard-- BBM1					
Lentil Pusa Ageti					

Livestock strains (in no's) and fish fingerlings produced (in lakh)*		**Soil, water, plant, manures samples tested (in lakh)**	
Target	Achievement	Target	Achievement
------	----------	1000	3011

* Give no. only in case of fish fingerlings

3.2 ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. 1 Technology Assessed by KVK (Discipline wise)

A	**Technologies assessed under various crops (Cereal Crop Production)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Farm Machineries			
10	Integrated Farming System			
11	Seed / Plant production			
12	Post Harvest Technology / Value addition			
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify)			
16	Cropping Systems			
17	Farm Mechanization			
18	Others			
	Total			
B	**Technologies assessed under various crops (Hort crops.)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation			

	Technology			
9	Post-harvest Technology / Value addition			
10	Others if any specify			
C	**Technologies assessed under livestock & Fisheries by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Disease & Health Management			
2	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management			
6	Processing and Value addition			
7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	**0**	**0**	**0**
D	**Technologies assessed under miscellaneous enterprises by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery reduction			
2	Entrepreneurship Development			
3	Health and nutrition			
4	Processing and value addition			
5	Energy conservation			
6	Small-scale income generation			
7	Storage techniques			
8	Household food security			
9	Organic farming			
10	Agroforestry management			
11	Mechanization			
12	Resource conservation technology			
13	Value Addition			
14	Others			
	Total	**0**	**0**	**0**
E	**Technologies assessed under various enterprises for women empowerment**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery Reduction			
2	Entrepreneurship Development			

3	Health and Nutrition			
4	Value Addition			
5	Others			
	Total	**0**	**0**	**0**

3.2.2 OFT (All discipline) *Please provide all the OFTs in same format* Photographs in jpg. (Attach separately also with captions)

OFT-1 Home Science

- OFT – I Jack Fruit Based Papad

1.	Title of On farm Trial	Assessment of Preparation methods of ripe Jack Fruit papad (Bar).
2.	Problem diagnosed	Jack fruit is heavily produced in local area of Bokaro district but not properly utilized due to lack of processing knowledge.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**F.P. :**Local people consume ripe jack fruit just as such as ripe. **T.O.1:** Preparation of Bar from ripe Jack Fruit. **Formulation –-**Jack fruit pulp 1 kg, Sugar – 100g, Citric acid -5.0g, Sodium Benzoate-1.0g **T.O. 2:** Preparation of Bar from ripe jack fruit blended with mango **Formulation – Ingredients**-Well ripened jack fruit pulp juice – 500 g ,Mango pulp–500gm, Sugar – 100g, Citric acid -5.0g, Sodium Benzoate-1.0g
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-CARI, Goa
5.	Production system and thematic area	Rainfed Upland and Value Addition
6.	Performance of the Technology with performance indicators	Given in table
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Personal contact and group discussion.

Table – 1 Nutritive value of all Three food Produce per 100g of the OFT

Nutrients	Protein (g)	Fat (g)	Mineral (g)	Fiber (g)	CHO	Energy (kal)	Calcium (mg)	Phos (mg)	Iron (mg)

T.options									
F.P. (Jack Fruit) Bulb	1.9	0.1	0.9	1.1	19.8	88	20	41	0.56
T.O.I Jack Fruit Bar	4.41	0.23	2.10	2.54	18.18	295.15	35.6	37.18	3.03
T.O. II Jack Mango	3.15	0.62	1.65	2.25	70.72	302	45.5	71.5	2.36

Table – 2 Sensory Evaluation of all three food Produce of OFT

Para metars / T.O PH	Appearance	Colour	Flavour	Taste	Overall Acceptability	Overall grading
F.P.	5.12	4.87	4.75	4.25	6.65	5.12
T.O. I	7.15	7.02	7.12	7.25	7.75	7.25
T.O. II	8.52	8.65	8.52	8.77	8.65	8.62

Table – 3 Economics Involved in the preparation of all three food Produce of the OFT

Nutrients / T.options	Cost of Produce/ kg	Market Price of Produce/ kg	Net Profit/kg	B:C ration
F.P.	25 Rs/kg	50 Rs/kg	25 Rs/kg	2:1
T.O.I	100 Rs/kg	250 Rs/kg	150 Rs/kg	2.5:1
T.O. II	150 Rs/kg	550 Rs/kg	400 Rs/kg	3.66:1

Thematicc area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					

OFT-2 Home Science

1.	Title of On farm Trial	Preparation and Preservation of ripe wood apple fruit as squash
2.	Problem diagnosed	Heavy wastage of ripe wood apple fruit and sold i local market very very low price.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice**: Local people consume ripe wood apple as homemade drink known as sharbat **TO1**: Preparation and preservation of squash develop from ripe wood apple having formulation given below. **Formulation: Fruit pulp: 1 kg, sugar-820gm, citric acid-15gm, water-165ml, KMS-1.2gm** **TO2**: Preparation and preservation of squash develop from ripe wood apple blended with ripe mango. **Formulation: Fruit pulp: 500gm, ripe mango pulp-500gm, sugar-820gm, citric acid-15gm, water-165ml, KMS-1.2gm**
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Hand Book of Horticulture ICAR, New Delhi.
5.	Production system and thematic area	Rainfed Upland and Preservation
6.	Performance of the Technology with performance indicators	Given in table
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Personal contact and group discussion.

Beal Square and Beal Mango Square

Nutrients / T.options	Protein (g)	Fat (g)	Mineral (g)	Fiber (g)	CHO	Energy (kal)	Calcium (mg)	Phos (mg)	Iron (mg)
F.P. Beal Sherbat	1.99	0.52	1.68	2.88	46.59	198.92	98.62	54.93	0.77
T.O.I Beal Square	0.39	0.05	0.37	0.56	44.98	182.01	21.26	10.14	0.17
T.O. II Beal Mango Square	0.25	0.03	0.23	0.36	28.82	116.62	13.62	6.50	0.11

Table – 2 Economic Involved in Beal based Square pre Ph

Nutrients / T.options	Cost of produce/ kg unit	Market Price of Produce/ kg unit	Net profit of Produce per kg unit	B:C ration
F.P. (Beal Shar-beat)	60 Rs/Liter	200 Rs/ liter	140 Rs/ liter	3.33:1
T.O.I Beal Square	80 Rs/ liter	315 Rs/liter	238 Rs/liter	3.93:1
T.O. II Beal Square blended with Mango	95 Rs/ liter	450 rs/liter	355 Rs/liter	4.73:1






OFT-3: Horticulture

1.	Title of On Farm Trial	**Assessment of Biomass mulching in Mango**
2.	Problem diagnosed	Low fruit yield due to poor floor/surface and nutrient management in mango
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP-No mulching/ Litter fall of trees TO_1- Tephrosia 1 kg dry biomass/meter square canopy- (plant spread) TO_2: Grass/ paddy straw/ Any local available mulching 15 cm thick (plant spread) + Greece band 30 cm from GL **Mango- Variety : Amrapali**
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR, RCER, Ranchi
5.	Production system and thematic area	Fruit based production system, INM
6.	Performance of the Technology with performance indicators	Given in table
7.	Final recommendation for micro level situation	Mulching of mango tree with TO_1- Tephrosia 1 kg dry biomass/meter square canopy- (plant spread) has resulted maximum moisture retention capacity, increase of soil organic carbon and yield of mango compared to No mulching/ Litter fall of trees and paddy straw.
8.	Constraints identified and feedback for research	Unavailability of CuSO4 in local market.
9.	Process of farmers participation and their reaction	Personal contact and group discussion.

Thematic area: Integrated Nutrient Management

Problem definition: Deficiency of micronutrient like zinc, boron contributing towards poor yield and quality of Mango.

Technology assessed:

Table-1: Effect of micronutrient on yield and quality of Mango.

Technology option	No. of trials	Yield component					Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of initial fruit/panicle	No. of final fruit set	Fruit wt. (g)	Yield (q/ha)	TSS				
FP-No mulching/ Litter fall of trees	07	32.50	1.60	132.00	5.4	18.5	51000.00	135000.00	84000.00	2.64
TO_1- Tephrosia 1 kg dry biomass/meter square canopy- (plant spread)		48.00	2.50	152.00	8.8	21.20	56000.00	220000.00	164000.00	3.92
TO_2: Grass/ paddy straw/ Any local available mulching 15 cm thick (plant spread) + Greece band 30 cm from GL		65.00	3.25	170.50	8.3	22.00	54000.00	207500.00	153500.00	3.84

Results: Mulching of mango tree with TO_1- Tephrosia 1 kg dry biomass/meter square canopy- (plant spread) has resulted maximum moisture retention capacity, increase of soil organic carbon and yield of mango compared to No mulching/ Litter fall of trees and paddy straw.

Without nutrients Mango tree

Application of Nutrient in Mango tree

- **OFT-4: Horticulture**

1.	Title of On farm Trial (OFT)	**Assessment of microbial consortia against wilting in Brinjal**
2.	Problem diagnosed	Low yield from Brinjal due to heavy incidence of wilt disease infection in Bokaro district
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers' practice:** Use of Carbandazim@2gm /lit. of water **Technology option 1**: Arka Microbial Consortium (N fixing, P & Zn Solubilizing and plant growth microbes) use with FYM (1:100) ratio at root zone. **Technology option 2:** NRC Litchi Consortium (Arbuscular Mycorrhiza, Azotobacter Chroococcum and Trichoderma Viridеisolate NRCL(T01) use with FYM (1:150) ratio at root zone.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-IIHR Bangaluru & NRC, Litchi Muzafarpur
5.	Production system and thematic area	IDM, Production Technology
6.	Performance of the Technology with performance indicators	Disease incidence %, yield/ha , and B:C Ratio
7.	Final recommendation for micro level situation	According to parameters result indicates that T2 is superior than T1
8.	Constraints identified and feedback for research	Arka microbial consortium and NRC Litchi Consortium both of these are not available in Bokaro market only available in ICAR institute.
9.	Process of farmers participation and their reaction	Farmers are very interested in this technology because of low incidence of Brinjal wilt and getting benefited by this technology

- **Thematic area:** IDM, Production Technology
- **Problem definition:** Low yield from Brinjal due to heavy incidence of wilt disease infection in Bokaro district

Name of OFT: Assessment of microbial consortia against wilting in Brinjal

Thematic area	**Technology options with detailed treatments**	**Area (ha in crop & Fodder)/ Nos (in livestock)**		**Initial Plant Population / subplot**	**15 Days (Number of Plants wilted)**	**30 Days (Number of Plants wilted)**	**45 Days (Number of Plants wilted)**	**60 Days (Number of Plants wilted)**	**75 Days (Number of Plants wilted)**
		Proposed	**Actual**						
IDM, Production Technology	**1.Farmers' practice:** Use of Carbandazim@2gm /lit. of water	01	01	311	0	3.9 (1.25%)	22.2 (7.14%)	28.2 (9.07%)	36.4 (11.70%)
	Technology option 1Arka Microbial Consortium (N fixing, P & Zn Solubilizing and plant growth microbes) use with FYM (1:100) ratio at root zone			311	0	3.2 (1.03)	5.6 (1.80%)	6.5 (2.09%)	8.7 (2.80%)
	Technology option 2:NRC Litchi Consortium (*Arbuscular Mycorrhiza*, *Azotobacter Chroococcum* and *Trichoderma Viride*isolate NRCLT01) use with FYM (1:150) ratio at root zone.			311	0	2.8 (0.90%)	5.2 (1.67%)	6.2 (1.99%)	7.9 (2.54%)
	CD (5%)						**1.19**	**2.45**	**2.68**
	S.Em +						**0.58**	**1.2**	**1.31**

Please provide all the OFTs in same format Photographs in jpg. (Attach separately also with captions) **Price of brinjal is @ 1000/quintal.**

Thematic area	**Technology options with detailed treatments**	**Area (ha in crop & Fodder)/ Nos (in livestock)**		**Observation detail of yield attributing characters**		
		Proposed	**Actual**	Plant Height (cm)	Av. Fruit weight (g)	Yield Qt/Ha
IDM, Production Technology	**1.Farmers' practice:** Use of Carbandazim@2gm /lit. of water	01	01	58.2	88.4	164
	Technology option 1Arka Microbial Consortium (N fixing, P & Zn Solubilizing and plant growth microbes) use with FYM (1:100) ratio at root zone			60.4	88.4	216
	Technology option 2:NRC Litchi Consortium (*Arbuscular Mycorrhiza*, *Azotobacter Chroococcum* and *Trichoderma Viride*isolate NRCLT01) use with FYM (1:150) ratio at root zone.			61	90	226
	CD (5%)			**0.67**	**2.47**	**2.41**
	S.Em +			**0.33**	**1.21**	**1.18**

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation(Rs. /ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
IDM, Production Technology	**1.Farmers' practice:** Use of Carbandazim@2gm /lit. of water	01	01	164	61000	164000	103000	2.68
	Technology option 1Arka Microbial Consortium (N fixing, P & Zn Solubilizing and plant growth microbes) use with FYM (1:100) ratio at root zone			216	65000	216000	151000	3.32
	Technology option 2:NRC Litchi Consortium (*Arbuscular Mycorrhiza*, *Azotobacter Chroococcum* and *Trichoderma Viride*isolate NRCLT01) use with FYM (1:150) ratio at root zone.			226	69000	226000	157000	3.27

Please provide all the OFTs in same format Photographs in jpg. (Attach separately also with captions) **Price of brinjal is @ 1000/quintal.**

		
Farmers' practice	**1Arka Microbial Consortium**	**NRC Litchi Consortium**

OFT-5

1.	Title of On Farm Trial	Assessment of Effectiveness Extension Methods for dissemination of commercial Vegetable Production Technologies.
2.	Problem Diagnose	Lack of technical knowledge vegetable production
3.	Details of Technologies selected for assessment/refinement	**Farmers Practice**: individual contact method (farm and home visit) **TO_1**: Group contact Method (Demonstration, Lecture, Participatory Discussion/Training) **TO_2**: Mass Contact (Leaflet, Mobile Advisory, A/V film)
4.	Source of Technology	IARI, ICAR New Delhi, ATARI, Patna
5.	Replication	10
6.	Production System & Thematic Area	Rainfed and upland, Vegetable Production
7.	Performance of the Technology with performance indicators	I. Adoption I. Knowledge I. Attitude towards extension methods
8.	Final recommendation for micro level situation	Farmers admitted that Group contact Method (Demonstration, Lecture, Participatory Discussion/Training was found very effective in comparison to other technological option
9.	Constraints identified and feedback for research	Farmers have no reading habits or little reading habit due to illiteracy and lack of good literature in local language. KVK providing literature in local language to understand the technology of the co vegetable production
10.	Process of farmers participation and their reaction	Personal contact' Training and gosthi with farmers.

Table: 1

Technology option	**Technical Parameter**			Effectiveness Intensity (N=60)	**Economic Parameter**			
	Effectiveness of extension method(%)							
	Less Effective(N=20)	Effective(N=20)	Most Effective(N=20)		Cost of cultivation (Rs./ha.)	Gross income(Rs./ha.)	Net income(Rs./ha.)	B:C ratio
Farmers Practice (TO-I): Individual contact method (farm and home visit)	5(25)	8(40)	7(35)	1.65	75800	168500	92700	2.22
TO-II :Group contact Method (Demonstration, Lecture, Participatory Discussion/Training)	3(15)	7(35)	10(50)	2.45	78900	225600	146700	2.85
T0-III : Mass Contact (Leaflet, Mobile Advisory, A/V film)	14(70)	2(10)	4(20)	1.30	71500	190800	119300	2.66
Result: TO-II : Group contact Method should be adopted by Extension and experts for effective and easy transfer of Agriculture Technology on Farmers Field.								

Farmers Practice

Technology Option-I

Technology Option-II

OFT-6

1.	Title of On Farm Trial	Knowledge dissemination through village library
2.	Problem Diagnose	Lack of technical knowledge on production technology
3.	Details of Technologies selected for assessment/refinement	TO1 -Village Library user group TO2- Non user
4.	Source of Technology	OFT finalization Workshop, ATARI, Patna
5.	Replication	4 (30 farmers each village library)
6.	Production System & Thematic Area	Rainfed and upland, Group Dynamics and Capacity building
7.	Performance of the Technology with performance indicators	i. Awareness level ii. Adoption level of Production technology of major crops iii. Relevancy test of material provided
8.	Final recommendation for micro level situation	Continue
9.	Constraints identified and feedback for research	
10.	Process of farmers participation and their reaction	

Table: - 1

Technology option	**Technical Parameter**			Effectiveness Intensity (N=60)	**Economic Parameter**			
	Effectiveness of extension method(%)							
	Less Effective(N=20)	Effective(N=20)	Most Effective(N=20)		Cost of cultivation (Rs./ha.)	Gross income(Rs./ha.)	Net income(Rs./ha.)	B:C ratio
TO1 -Village Library user group								
TO2- Non user								
Result:								

Village Library in Katamkuli VillagePetarwar

OFT-7

1.	Title of On Farm Trial	Capacity building of KVK Ambassodor (KVK Doot) for dissemination of Technology
2.	Problem Diagnose	Lack of technical knowledge on production technology
3.	Details of Technologies selected for assessment/refinement	Selection of 20 progressive farmers in four village and capacity building for effective dissemination of technology to reduce technology Gap TO1 -Village Library user group TO2- Non user
4.	Source of Technology	OFT finalization Workshop, ATARI, Patna
5.	Replication	20
6.	Production System & Thematic Area	Rain-fed and upland, Group Dynamics and Capacity building
7.	Performance of the Technology with performance indicators	i. Dissemination of technology (no of farmers perambassador ii. Knowledge gain of partner farmers/ambassador ii. Technology adoption index of ambassador / partner farmers
8.	Final recommendation for micro level situation	Continue
9.	Constraints identified and feedback for research	
10.	Process of farmers participation and their reaction	

Table: - 1

Technology option	**Technical Parameter**				**Economic Parameter**			
					Cost of cultivation (Rs./ha.)	Gross income(Rs./ha.)	Net income(Rs./ha.)	B:C ratio
Result:								

Farmers Practice **Technology Option-I** **Technology Option-II**

3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS (FLD)

A. Overall achievements of FLDs conducted during the year 2024

S.No	Crop category		No. of FLD	Area	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
	Cereals	Paddy	137	40	137	33.5	25.6
		Finger millet	140	50	140	18.5	12.2
	Oil Seed						
	Pulses						
	Horticulture Crops	Brinjal					
		Cauliflower					
		Okra					
	Other crops						
	Hybrid crop						
	Livestock						
	Fisheries						
	Other enterprises						
	Women empowerment						
	Farm Machinery						
	Grand Total						

B. Details of FLDs conducted during the year 2024

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Paddy	Crop Production	Var- IR64drt, seed treatment, line sowing	40.0	40.0	5	36	38	48	10	-	53	84	137	
2.	Ragi	Crop Production	Var- A-404, seed treatment, line sowing	25.0	25	18	21	8	9	0	9	26	39	65	

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy	Crop Production	Var- IR64 drt, line sowing, seed treatment	137	40	**33.5**	**25.6**	23.58	-	-	35600.00	77050.00	41450.00	2.16	31200.00	58880.00	276800.00	1.881
Ragi	Crop Production	Var- A-404, line sowing, seed treatment	65	25	**18.5**	**12.2**	34.05	-	-	24500.00	79365.00	54865.00	3.24	20200.00	52338.00	32138.00	2.59
		Total															

Details of farming situation

Sl. No.	Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)				Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P_2O_5	K_2O	OC					
1.	Paddy	Kharif	Rainfed	Medium									
2.	Finger M	Kharif	Rainfed`										
3.													
4.													
5.													

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

1. Oilseeds

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

Total															

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

2. Pulses

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Total														

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Horticultural crops (separately Fruit, Vegetables, Flower, Medicinal and aromatics, etc.

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Brinjal	ICM	Var- Rasi, line sowing, ICM	1.0	1.0	-	-	6	-	9	-	15	-	15	
2.	Cauliflower	ICM	Var- Namdhari-555 &Mali-60, line sowing, IDM	1.0	1.0	-	-	8	-	12	-	20	-	20	
3.	Okra	ICM	Var- Tiera-	1.5	1.5	-	-	-	-	50	50	-	50	50	

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Brinjal	ICM	Var- Rasi, line sowing, ICM	8	1.0	107.20	65.0	64.92	65500.00	166080.00	100580.00	2.53	54500	76447	21947	1.4
Cauliflower	ICM	Var- Namdhari-555 & Madhuri, line sowing, IDM	20	1.0	250.0	150.0	60.0	75000.00	290000.00	215000.00	3.87	65300	124500	59200	1.9
Okra	ICM	Var.- Tiera-Ranju	48	1.5	150.0	74	49.8	56400.00	178600.00	122200.00	3.16	48500	78400	29900	1.62
	Total														

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

3. Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Total																

6. Demonstration details on crop hybrid varieties

Crop	Name of the Hybrid	No. of Farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total Cereals										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal	Rasi	8	1.0	107.20	65.0	64.92	75040.00	126080.00	51040.00	1.68
Cauliflower	Mali-60,80, Namdhari- 555,	8	1.0	250.0	150.0	150.0	175000.00	290000.00	115000.00	1.65
Okra	Tiera-Ranju	48	1.5							
Potato										
Field bean										

Others (Pl. specify)										
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

7. Livestock

Category	**Thematic area**	**Name of the technology demonstrated**	**No. of Farmer**	**No. of units**	**Major parameters**		**% change in major parameter**	**Other parameter**		***Economics of demonstration (Rs.)**				***Economics of check (Rs.)**			
					Demonstration	**Check**		**Demonstration**	**Check**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Piggery																	
Sheep and goat																	

Duckery																	
Others (Pl. specify)																	
Total																	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

8. Fisheries

Category	**Thematic area**	**Name of the technology demonstrated**	**No. of Farmer**	**No. of units**	**Major parameters**		**% change in major parameter**	**Other parameter**		***Economics of demonstration (Rs.)**				***Economics of check (Rs.)**			
					Demonstration	**Check**		**Demonstration**	**Check**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**
Common carps																	
Mussels																	
Ornamental fishes																	
Others (plspecify)																	
Total																	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

9. Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others(pl.specify)																
Total																

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

10. Women empowerment

Name of technology	**No. of demonstrations**	**Name of technology**	**Observations**		**No. of Beneficiaries**
			Check	**Demonstration**	
Women					
Drudgery Reduction					
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden					
Nutrigarden					
Storage Technique					
Value addition					
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition					

Others					
Total - Children					
Other if any					
Total others					
Grand Total	0	0			

11. Farm implements and machinery

Category	**No. of FLDs**	**Name of the implement**	**Crop**	**No. of Farmer**	**Area (ha)**	**Filed observation (output/man hour)**		**% change in major parameter**	**Labor reduction (man days)**	**Cost reduction (Rs./ha or Rs./Unit)**
						Demonstration	**Check**			
Sowing and planting tools and machineries										
Total Sowing and planting Machineries										
Intercultural operation tools and machineries										
Irrigation management tools and machineries										
Plant protection tools and machineries										
Harvesting tools and machineries										
Postharvest processing tools and machineries										
Total mechanization tools and										

machineries										
Others										
Total of Others										

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back

PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD) 2024-25

(During Kharif, Rabi and Summer)

A Oilseeds 2025

1. Technical Parameters:

S. No.	Crop season	Name of crop demonstrated	Area (ha)	Number of farmers	Detail of technology demonstrated	Detail of existing farmer practice	Yield (q/ha) in farmer field	Yield obtained in demonstration (q/ha)			Yield gap (Kg/ha) w.r.to			Yield gap minimized (%)		
								Max.	Min.	Av.	District yield (D)	State yield (S)	Potential yield (P)	D	S	P
1	Kharif	Groundnut	60	265	K-1812+ Line sowing + Seed treatment + INM+IPM+ Sulphur application	Variety (AK12-24) + Broadcasting	9.6	19.6	10.8	15.2	11.4	10.3	22	33.3	47.5	(-) 30.9
2	Kharif	Soyabean	40	165	Variety (BS-6) + Line sowing + Seed treatment + INM+IPM+ Sulphur application	Birsa Soyabean + Broadcasting No seed treatments	10.6	19.8	14.4	17.1	13.5	12.6	27.5	26.6	35.71	(-)37.8
3	Kharif	Sesame	20	88	GT-4+ Line sowing + Seed treatment + INM+IPM+ Sulphur application	Kanke safed + Broadcasting No seed treatments	3.6	6.6	4.3	5.45	4.6	4.1	7.5	18.47	32.9	(-)27.3
4	Kharif	Niger	100	310	JNS29+ Line sowing + Seed treatment + INM+IPM+ Sulphur application	Local niger Broadcasting No seed treatments	3.1	4.7	2.8	3.75	2.9	3.4	5.5	29.3	10.3	(-)31.8

5	Rabi	Mustard	200	522	RH761 + Line sowing + Seed treatment + INM+IPM+ Sulphur application		5.5	Crop Standing								
6	Rabi	Linseed	40	105	Partap Alsi 2 + Line sowing + Seed treatment + INM+IPM+ Sulphur application		4.1	Crop Standing								

2. Economic parameters

S. No.	Detail of technology demonstrated	Farmer's existing practice				Demonstration technology				Additional Income (Rs/ha)
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	
1	K-1812+ Line sowing + Seed treatment + INM+IPM+ Sulphur application	35400	73250	37850	2.06	55900	132950	77050	2.37	
2	Variety (BS-6) + Line sowing + Seed treatment + INM+IPM+ Sulphur application	22700	45000	22300	1.98	30200	71400	41200	2.36	
3	GT-4+ Line sowing + Seed treatment + INM+IPM+ Sulphur application	20500	41800	21300	2.03	26200	68400	42200	2.59	
4	JNS29+ Line sowing + Seed treatment + INM+IPM+ Sulphur application	15800	27400	11600	1.73	17500	41000	23500	2.34	
5	RH761+ Line sowing + Seed treatment + INM+IPM+ Sulphur application	Crop Standing								
6	Partap Alsi 2 + Line sowing + Seed treatment + INM+IPM+ Sulphur application	Crop Standing								

3. Socio-economic impact parameters

S. No.	Name of crop demonstrated	Total produce obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own their own farm (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Groundnut	91200	500	6783	150	50	• Use for own consumption • Health • Education • Social activity	77
2	Soyabean	68400	400	4892	80	50	• Use for own consumption • Health • Education • Social activity	45
3	Sesame	10900	350	9267	50	50	• Use for own consumption • Health • Education • Social activity	43
4	Niger	47000	100	8717	28	10	• Use for own consumption • Health • Education • Social activity	55
5	Mustard	Crop Standing						
6	Linseed	Crop Standing						

B. Pulses/Oilseed Farmers' perception of the intervention demonstrated

S.	Detail of	Farmers' Perception parameters

No.	technologies demonstrated	Suitability of technology to their farming system	Likings (Preference)	Affordability (%)	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any	Farmer feedback
1	K-1812+ Line sowing + Seed treatment + IPM+ Sulphur application	Suitable in upland in Kharif	Yield is good	Yes	No	Acceptable to all farmers of group	Timely weeding and insect pest control improve the yield	
2	Variety (BS-6) + Line Sowing+ Seed Treatment+IPM+ Sulphur application	Suitable in upland in Kharif	Yield is good	Yes	No	Acceptable to all farmers of group	No	
3	GT-4+ Line sowing + Seed treatment + IPM+ Sulphur application	Suitable in upland in Kharif	Yield is good Demand in marketing due to White colour Fruiting Start from Roots of plant	Yes	Oil Content is low in comparison to Black Til	Acceptable to all farmers of group	In proper seed rate the yield can be get maximum	
4	JNS29+ Line sowing + Seed treatment + IPM+ Sulphur application	Suitable in upland in Kharif	Yield is good	Yes	No	Acceptable to all farmers of group	In proper seed rate the yield can be get maximum	
5	RH761\BBM1 + Line sowing + Seed treatment + IPM+ Sulphur application	Crop Standing						
6	Partap Alsi 2 + Line sowing + Seed treatment + IPM + Sulphur application	Crop Standing						

C. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Yield	Seed capsule setting start from root of the plant	Good	Yield is more than local variety
Yield	Seed capsule setting start from root of the plant	Good	Yield is more than local variety
Yield	Seed capsule setting start from root of the plant	Good	Yield is more than local variety

D. Extension activities under FLD conducted:

Sl. No./ Crop	Extension Activities organized	Date and place of activity	Number of farmer attended
Groundnut	Training Field day	01.06.24 KVK 11.06.24 KVK 18.06.24 KVK 25.06.2024 19.09.24 Kairajara 01.10.2024 Kusumjara 14.10.24 ChatugarhaPetarwar	26 30 102 54 28 47 21
Soyabean	**Training** Field Day	07.10.24 Ordana	**42** **34**
Sesame	**Training** Field Day	07.10.24 Uttasara 01.10.2024 Kusumjara	**41** **24**
Niger	**Training** **Field day**	16.08.2024 Mehulsudi 20.08.2024 Bhaski 27.08.2024 Lepo 22.11.24 Bhaski Jaridih	**20** **18** **35** **30**
Mustard	 **Training** Field Day	**30.09.2024** 10.10.2024 Obra 15.10.2024 Barakendua 15.10.2024 Jaradih **18.10.2024** Kander Gomia **29.10.2024** Kunda Gomia 21.11.2024 KVK	28 24 73 26 67 56 55

Linseed	**Training**	16.11.2024 KVk 19.11.2024 23.11.24 Tundra Jaridih	**40** **27** **66**

E. Sequential good quality photographs (as per crop stages i.e. growth & development)

F. Farmers' training photographs

G.


कृषि विज्ञान केन्द्र, बोकारो
संकुल अग्रिम पंक्ति प्रत्यक्षण कार्यक्रम 2024-25
(CFLD OIL SEED – 2024-25)
प्रशिक्षण एवं इनपुट वितरण कार्यक्रम
फसल : सरसो
स्थान : दुर्गापुर
प्रभेद :
दिनांक :
Latitude: 23.559144
Longitude: 85.898034
Elevation: 423.13±55 m
Accuracy: 5.5 m
Time: 29-11-2024 15:06
Note:
सरसो बीज एवं सलफर
खाद वितरण सहयोग गाँव - दुर्गापुर, पंचायत
Powered by NoteCam


कृषि विज्ञान केन्द्र, बोकारो

H. Quality Action Photographs of field visits/field days and technology demonstrated.

I. Sequential good quality photographs (as per crop stages i.e. growth & development)

J. Crop: Groundnut

Crop: Soyabean

Crop: Sesame

Crop: Niger:

Mustard

Linseed

K. Details of budget utilization

Crop(Provide crop wise information)	Items	Area (ha) allotted	Area (ha) achieved	Budget Received(Rs.)	Budget Utilization(Rs.)	Balance (Rs.)
Groundnut	i) Critical input	60	60	1296000	1296000	
	ii) TA/DA/POL etc. for monitoring			43200	43200	
	iii) Extension Activities (Field Day)			43200	43200	
	iv)Publication of literature			57600	57600	
	Total			1440000	1440000	
Soyabean	i) Critical input	40	40	540000	540000	
	ii) TA/DA/POL etc. for monitoring			20000	20000	
	iii) Extension Activities (Field Day)			20000	20000	
	iv)Publication of literature			20000	20000	

	Total			600000	600000	
Sesame	i) Critical input	20	20	144000	144000	
	ii) TA/DA/POL etc. for monitoring			5000	5000	
	iii) Extension Activities (Field Day)			6000	6000	
	iv)Publication of literature			5000	5000	
	Total			160000	160000	
Niger	i) Critical input	100	100	720000	720000	
	ii) TA/DA/POL etc. for monitoring			15000	15000	
	iii) Extension Activities (Field Day)			35000	35000	
	iv)Publication of literature			30000	30000	
	Total			800000	800000	
Mustard	i) Critical input	200	200	1620000	1620000	
	ii) TA/DA/POL etc. for monitoring			40000	40000	
	iii) Extension Activities (Field Day)			35000	35000	
	iv)Publication of literature			105000	105000	
	Total			1800000	1800000	
Linseed	i) Critical input	40	40	288000	288000	
	ii) TA/DA/POL etc. for monitoring			7000	7000	
	iii) Extension Activities (Field Day)			8000	8000	
	iv)Publication of literature			13000	13000	
	Total			320000	320000	

CLUSTER FRONTLINE DEMONSTRATION OF PULSE CROP (2023-24) PERFORMANCE DATA REPORTING

1. Name of KVK:-Krishi Vigyan Kendra, Bokaro **2. Year of establishment:- 2005**
3. Host Institution:-Birsa Agricultural University Ranchi **4. Address:- KVK, Petarwar Bokaro**
5. District:-Bokaro **6. State:-Jharkhand**
7. Performance of the demonstration:- Good

a. Pulses

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha) /years	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			% increase	Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.		D	S	P
1	Black gram	Local	7.2	230	101	520	WBU109 Sulata + Line sowing + Seed treatment + IPM	81	30	12.4	7.2	9.8	30.76	30.6	11.49	(-) 34.6
2	Pigeon pea	Local	9.5	330	110	380	IPA203+Line sowing + Seed treatment + IPM	163	40	14.8	9.6	12.2	54.16	37	9.9	(-)23.7
3	Lentil	Local	6.7	260	90	290	IPL321+ Line sowing+ Seed treatment with Rhizobium	69	20	11.3	6.9	9.1	36.0	40.0	10.9	(-)24.1

L. Economic parameters

Sl. No.	Crop	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
			Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1.	Black gram	WBU109 Sulata Line sowing + Seed treatment + IPM	16400	42250	25850	2.8	19000	67600	48600	3.5
2.	Pigeonpea	IPA203+Line sowing + Seed treatment + IPM	30500	82400	51900	2.70	34000	107300	73300	3.15
3.	Lentil	IPL321 Line sowing+ Seed treatment with Rhizobium	26000	63000	37000	2.42	31000	81600	50600	2.63

M. Socio-economic impact parameters 2023

Sl. No.	Crop	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	Black gram	WBU 109 Sulata	29400	300 kg	69.50.00/kg	20 kg	40 kg	Use for own consumption Medicine Education	60Mandays/ House hold
2.	Pigeon pea	IPA203	48800	150 kg	70.00/kg	30 kg	40 kg	Use for own consumption Medicine Education	54 Mandays /House hold
3.	Lentil	IPL321	18200	150 kg	60.00/kg	25 kg	25 kg	Use for own consumption Medicine Education	45 Mandays/ House hold

N. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Black gram -Branching of plant is good	The performance of this variety is good in yield in comparison to local variety	Yield is better in comparison to Local check	It is good variety in kharif season due to its resistant to mosaic
Pigeon Pea-Branching of Plant is good	The performance of this variety is good in yield in comparison to local variety	Yield is better in comparison to Local check	It is good variety in kharif season due to its resistant to fusarium wilt, light brown colour seed with medium size seed
Lentil Branching of Plant is good	The performance of this variety is good in yield in comparison to local variety	Yield is better in comparison to Local check	It is good variety in Rabi season due to its resistant to wilt with large seeded

O. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.Blackgram	Training and Field Day	8.07.23, 04.08.2023 and 15.10.23	46, 32 and 18
2.Pigeon Pea	Training and Field Day	24.06.2023, 04.07.2023 and 19.07.2023	36,28 and 24
3.Lentil	Training and Field Day	11.10.2023, 28.10.2023 and 07.11.2023	36,24 and 26

j. Farmers' training photographs

k. Sequential good quality photographs (as per crop stages i.e. growth & development)

l. Quality Action Photographs of field visits/field days and technology demonstrated

J. Details of budget utilization

Pigeon Pea	i) Critical input	324000	324000	NIL
	ii) TA/DA/POL etc. for monitoring	8000	8000	
	iii) Extension Activities (Field day)	20000	20000	NIL

	iv)Publication of literature	8000	8000	
	Total	360000	360000	**NIL**
Blackgram	i) Critical input	243000	243000	NIL
	ii) TA/DA/POL etc. for monitoring	8000	8000	
	iii) Extension Activities (Field day)	10000	10000	NIL
	iv)Publication of literature	9000	9000	
	Total	**270000**	**270000**	**NIL**
Lentil	i) Critical input	162000	162000	NIL
	ii) TA/DA/POL etc. for monitoring	5000	5000	
	iii) Extension Activities (Field day)	8000	8000	NIL
	iv)Publication of literature	5000	5000	
Grand Total		**810000**	**810000**	**NIL**

PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE CROPS (CFLD) 2024-25

(During Kharif, Rabi and Summer)

B. Pulses under Model Pulse Village

4. Technical Parameters:

S. No.	Crop season	Name of crop demonstrated	Area (ha)	Number of farmers	Detail of technology demonstrated	Detail of existing farmer practice	Yield (q/ha) in farmer field	Yield obtained in demonstration (q/ha)			Yield gap (Kg/ha) w.r.to			Yield gap minimized (%)		
								Max.	Min.	Av.	District yield (D)	State yield (S)	Potential yield (P)	D	S	P
1	Kharif	Pigeon Pea	85	232	IPA203+ Line sowing + Seed treatment + INM+IPM	Local + No seed treatments + Broadcasting		Crop Standing								
2	Kharif	Black Gram	60	184	IPU 2-43+ Line sowing + Seed	Local+ No seed treatments +	5.8	8.6	6.2	7.4	120	50	260	19.35	7.2	(-)26

					treatment + INM+IPM	Broadcasting										
3	Rabi	Lentil	45	121	Pusa Ageti L4717+ Line sowing + Seed treatment + INM+IPM	Local IPL 220+ No seed treatments + Broadcasting		Crop Standing								

2. Economic parameters

S. No.	Detail of technology demonstrated	Farmer's existing practice				Demonstration technology				Additional Income (Rs/ha)
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	
1	IPA203+ Line sowing + Seed treatment + INM+IPM	Crop Standing								
2	IPU 2-43+ Line sowing + Seed treatment + INM+IPM	20500	45880	25380	2.23	22800	63640	36840	2.79	
3	Pusa Ageti L4717+ Line sowing + Seed treatment + INM+IPM	Crop Standing								

3. Socio-economic impact parameters

S. No.	Name of crop demonstrated	Total produce obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own their own farm (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Pigeon Pea	Crop Standing						
2	Black Gram	44400	150 kg	69.50/kg	30 kg	40 kg	Use for own consumption Medicine, Education	52 Mandays /House hold
3	Lentil	Crop Standing						

P. Pulses/Oilseed Farmers' perception of the intervention demonstrated

S. No.	Detail of technologies demonstrated	Farmers' Perception parameters						
		Suitability of technology to their farming system	Likings (Preference)	Affordability (%)	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any	Farmer feedback
1	IPA203+ Line sowing + Seed treatment + INM+IPM	Crop standing						
2	IPU 2-43+ Line sowing + Seed treatment + INM+IPM	Yes	Yes	Yes	No	Yes	No	Yes
3	Pusa Ageti L4717+ Line sowing + Seed treatment + INM+IPM	Crop standing						

Q. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Branching of Plant	Profuse branching of the Plant.	Line sowing behind the plough give the better result in branching.	Farmers are needed to small instrument for easily sowing of chickpea.
Branching of Plant	Profuse branching of the Plant.	Line sowing behind the plough give the better result in branching.	Farmers are needed to small instrument for easily sowing of chickpea.
Branching of Plant	Profuse branching of the Plant.	Line sowing behind the plough give the better result in branching.	Farmers are needed to small instrument for easily sowing of chickpea.

R. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
Pigeon Pea	Training Training Field day	30.07.2024 Surhi 02.08.2024 Sahariya 20.01.2025 Surhi	41 38 11
Black Gram	Training Field Day	06.08.2024 Surahi 12.08.2024 KVK 18.10.2024	43 27 12
Lentil	Training	17.10.2024 KVK	30

5. Sequential good quality photographs (as per crop stages i.e. growth & development)

S. Farmers' training photographs

T.


कृषि विज्ञान केन्द्र, बोकारो
Latitude: 23.883135
Longitude: 86.034393
Elevation: 277.21±8 m
Accuracy: 9.9 m
Time: 30-07-2024 13:31
Note: Cultivation practice Of Arhar in Surhi Nawadih
Powered by NoteCam


GPS Map Camera
Surhi, Jharkhand, India
V2QV+WX8, Nawadih, Surhi, Jharkhand 829144, India
Lat 23.889264°
Long 86.043908°
16/08/24 02:43 PM GMT +05:30
Google


कृषि विज्ञान केन्द्र, बोकारो

U. Quality Action Photographs of field visits/field days and technology demonstrated.

V. Details of budget utilization

Crop (Provide crop wise information)	Items	Area (ha) allotted	Area (ha) achieved	Budget Received(Rs.)	Budget Utilization(Rs.)	Balance (Rs.)
Pigeon Pea	i) Critical input	85	85	688500	688500	
	ii) TA/DA/POL etc. for monitoring			18000	18000	
	iii) Extension Activities (Field Day)			25000	25000	
	iv)Publication of literature			33500	33500	
	Total			765000	765000	
Black Gram	i) Critical input	60	60	486000	486000	
	ii) TA/DA/POL etc. for monitoring			15000	15000	
	iii) Extension Activities (Field Day)			23000	23000	
	iv)Publication of literature			16000	16000	
	Total			540000	540000	

Lentil	i) Critical input	45	45	364500	364500	
	ii) TA/DA/POL etc. for monitoring			15000	15000	
	iii) Extension Activities (Field Day)			15000	15000	
	iv)Publication of literature			10500	10500	
	Total			405000	405000	

3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES

(Mandated KVK trainings/sponsored training /FLD training programmes):

A. Farmers and farm women including the sponsored training programme (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies	1	3	2	5	3	21	24	4	9	13	10	36	46
Cropping Systems													
Crop Diversification	2	-	41	41	-	30	30	-	9	9	-	80	80
Integrated Farming													
Water management													
Seed production	1	22	-	22	-	-	-	3	-	3	25	-	25
Nursery management	1	-	-	-	-	-	-	19	11	30	19	11	30
Integrated Crop Management	1	-	-	-	-	-	-	18	15	33	18	15	33
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	16	16	314	330	10	86	96	32	213	345	58	623	681
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development	1	-	25	25	-	-	-	-	10	10	-	35	35
Skill development													
Yield increment	1	-	-	-	-	30	30	-	-	-	-	30	30
Production of low volume and high value crops	3	15	105	120	14	20	34	-	30	30	29	155	184
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	7	11	8	19	-	59	59	73	43	116	84	110	194
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing	1	27	25	52	-	4	4	2	1	3	29	30	59
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	-	26	26	-	2	2	-	4	4	-	32	32
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet	1	-	-	-	-	-	-	-	20	20	-	20	20
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	1	2	27	29	-	-	-	-	-	-	2	27	29
Integrated Disease Management	1	-	18	18	-	-	-	-	7	7	-	25	25
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production	1	-	-	-	-	-	-	6	24	30	6	24	30
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any**Natural farming**	8	28	361	389	-	2	2	9	143	152	37	506	543
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**48**	**124**	**952**	**1076**	**27**	**254**	**281**	**166**	**539**	**805**	**317**	**1759**	**2076**

B) Rural Youth Including the sponsored training programmes (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture	1	-	-	-	-	-	-	-	28	28	-	28	28
Sericulture													
Protected cultivation of vegetable crops	2	30		30	-	25	25	-	75	75	30	100	130
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	1	2	-	2	-	-	-	10	38	48	10	38	48
Training and pruning of orchards	1	7	8	15	2	1	3	6	1	7	15	10	25
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology	1	-	-	-	-	-	-		15	15	-	15	15
Tailoring and Stitching	3	-	-	-	-	60	60	-	22	22	-	82	82

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rural Crafts**Soil Test**	1	4	4	8	-	-	-	-	-	-	4	4	8
TOTAL	10	43	12	55	2	86	88	16	179	195	61	277	388

C) Extension Personnel Including the sponsored training programmes (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Value addition													
Integrated Pest Management													
Integrated Nutrient management	1	42	-	42	-	-	-	-	-	-	42	-	42
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs	1	34	5	39	6	20	26	5	31	36	45	56	101
Group Dynamics and farmers organization	1	31	7	38	2	-	2	5	-	5	38	7	45
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	48	-	48	-	-	-	3	-	3	51	-	51
Gender mainstreaming through SHGs**Soil Test**	1	9	2	11	1	-	1	6	2	8	16	4	20
TOTAL	5	164	14	178	9	20	29	19	33	52	192	67	259

D) Farmers and farm women Including the sponsored training programmes (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	17	149	306	455	8	56	64	15	56	71	172	418	590
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
empowerment													
Household food security by kitchen gardening and nutrition gardening	2	-	12	12	-	22	22	-	5	5	-	37	37
Design and development of low/minimum cost diet	2	-	16	16	-	7	7	-	23	23	-	46	46
Designing and development for high nutrient efficiency diet	2	-	-	-	-	17	17	-	31	31	-	48	48
Minimization of nutrient loss in processing	2	-	25	25	-	9	9	-	5	5	-	39	39
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	9	23	121	144	-	37	37	-	4	4	23	162	185
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building	1	-	-	-	-	16	16	-	-	-	-	16	16
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	1	-	36	36	-	-	-	-		-	-	36	36
Integrated Disease Management	1	-	-	-	-	20	20	-	-	-	-	20	20
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any**Natural farming**	2-	-	-	-	-	-	-	36	124	160	36	124	160
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	1	-	10	10	-	4	4	-	2	2	-	16	16
Mobilization of social capital													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	10	172	526	698	8	188	196	51	250	301	231	964	1195

E) RURAL YOUTH Including the sponsored training programmes (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1	-	20	20	-	-	-	-		-	-	20	20
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL	**1**	**-**	**20**	**20**	**-**	**-**	**-**	**-**		**-**	**-**	**20**	**20**

F) Extension Personnel Including the sponsored training programmes (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing	1	-	20	20	-	-	-	-	-	-	-	20	20
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	**1**	**-**	**20**	**20**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**20**	**20**

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of	No. of Participants	Grand Total

	Courses	Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies	1	3	2	5	3	21	24	4	9	13	10	36	46
Cropping Systems													
Crop Diversification	2	-	41	41	-	30	30	-	9	9	-	80	80
Integrated Farming													
Water management													
Seed production	1	22	-	22	-	-	-	3	-	3	25	-	25
Nursery management	1	-	-	-	-	-	-	19	11	30	19	11	30
Integrated Crop Management	-	-	-	-	-	-	-	18	15	33	18	15	33
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	33	165	620	785	18	142	160	47	269	316	230	1041	1271
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development	1	-	25	25	-	-	-	-	10	10	-	35	35
Skill development													
Yield increment	1	-	-	-	-	30	30	-	-	-	-	30	30
Production of low volume and high value crops	3	15	105	120	14	20	34	-	30	30	29	155	184
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	7	11	8	19	-	59	59	73	43	116	84	110	194
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing	1	27	25	52	-	4	4	2	1	3	29	30	59
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	3	-	38	38	-	24	24	-	9	9	-	69	69
Design and development of low/minimum cost diet	2	-	16	16	-	7	7		23	23	-	46	46
Designing and development for high nutrient efficiency diet	3	-	-	-	-	17	17	-	51	51	-	68	68
Minimization of nutrient loss in processing	2	-	25	25	-	9	9	-	5	5	-	39	39
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	9	23	121	144	-	37	37	-	4	4	23	162	185
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building	1	-	-	-	-	16	16	-	-	-	-	16	16
Women and child care													
Others, if any													
TOTAL													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	2	2	63	65	-	-	-	-	-	-	2	63	65
Integrated Disease Management	2	-	18	18	-	20	20	-	7	7	-	45	45
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any**Natural Farming**	10	28	361	389	-	1	1	45	370	312	73	632	705
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	1	-	10	10	-	4	4	-	2	2	-	16	16
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	86	296	1478	1774	35	441	476	211	868	976	542	2699	3241

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermi-culture	1	-	-	-	-	-	-	-	28	28	-	28	28
Sericulture													
Protected cultivation of vegetable crops	2	30	-	30	-	25	25	-	75	75	30	100	130
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	1	2	-	2	-	-	-	10	38	48	12	38	50
Training and pruning of orchards	1	7	8	15	2	1	3	6	1	7	15	10	25
Value addition	1	-	20	20	-	-	-	-	-	-	-	20	20
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology	1	-	-	-	-	-	-	-	15	15	-	15	15
Tailoring and Stitching	3	-	-	-	-	60	60	-	22	22	-	82	82
Rural Crafts**Soil Test**	1	4	4	8	-	-	-	-	-	-	4	4	8
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	**11**	**43**	**32**	**75**	**2**	**86**	**88**	**16**	**179**	**195**	**61**	**297**	**358**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management	1	42	-	42	-	-	-	-	-	-	42	-	42
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													

Formation and Management of SHGs	1	34	5	39	6	20	26	5	31	36	45	56	101
Group Dynamics and farmers organization	1	31	7	38	2	-	2	5	-	5	38	7	45
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing	1	-	20	20	-	-	-	-	-	-	-	20	20
Production and use of organic inputs	1	48	-	48	-	-	-	3	-	3	51	-	51
Gender mainstreaming through SHGs	1	9	2	11	1	-	1	6	2	8	16	4	20
Crop intensification													
Others if any													
TOTAL	6	164	34	198	9	20	29	19	33	52	202	87	279

Please furnish the details of training programmes as Annexure in the proforma given below

Discipline	**Clientele**	**Title of the training programme**	**Duration in days**	**Venue (Off / On Campus)**	**Number of SC/ST**			**Number of participants (others)**			**Over all participants**
					M	**F**	**Total**	**M**	**F**	**Total**	
Spon	PF	Training on crop and Vegetable Production	3	On		6	6	-	54	54	60
Hort	PF	Training on natural farming	1	On	6	54	60	-	-	-	60
Extn	PF	Commercial vegetable production	1	On	1	3	4	11	8	19	23
Natu	PF	Training on natural farming	1	On				-	60	60	60
Ext	Pf	Scientific cultivation of summer moong	1	Off				-	-	-	36
Natu	PF	Training on natural	1	On				-	80	80	80

		farming									
HOR	PF	Training on natural farming	3	Off	22	58	80	-	-	-	80
HOR	PF	Training on natural farming	3	Off	14	66	80				80
Spon	PF	Training on crop and Vegetable Production	3	On		30	30	-	60	60	60
Hor	RY	Cultivation of vegetables	4	On				30	-	30	60
Spon	PF	Training on crop and vegetable Production	3	On		17	17	-	43	43	60
Spon	PF	Training on crop and vegetable Production	3	On		17	17	-	47	47	64
Ext	Pf	Training on Natural Farming	3		-	-	-	26	137	163	163
Hor	PF`	Training on Natural Farming	3	On		6	60		-	-	60
Spon	PF	Training on crop and vegetable Production	3	On	14	16	30	15	15	30	60
Hor	PF	Scientific cultivation of Summer maize	1	On		9	9	-	41	41	50
Hor	PF	Disease management in cucurbites	1	On		7	7	-	18	18	25
Hor	Pf	Scientific cultivation of Ole	1	On		10	10	-	25	25	35
Ext	EF	Soil Test and Soil Health card	1	On	3	-	3	48	-	48	51
Ext	PF	Insect pest and Disease Management in summer vegetables -	1	Off				-	36	36	36
Ext	PF	Cultivation of summer maize—	1	Off	20	-	20	-	-	-	20
H,Sc.	PF	Role of Seasonal fruit drink for heat beating	1	0ff				20		20	20
H.Sc.	PF	Preparation & importance of Aonla Juice in Summer Season	1	off				-	31	31	31
H.Sc.	PF	Importance of Cucurbitaceae fruits in Summer season	1	off		16	16	-	-	--	16
Hor	Pf	Importance of Soil Test	1	On	2	6	6	27	25	52	59
Hor TSP	PF	Scientific Vegetable Cultivation	3	On	29	4	33	-	-	-	33
Hor TSP	Pf	Nursery raising of paddy	3	On	19	11	30	-	-	-	30
Ext TSP	Pf	Production of Vermi compost	3	On	6	24	30				30
Ext	EF	Process of Seed production and registration	1	On	3	-	3	22	-	22	25
H Sc	Pf	Preparation & Preservation of Bael squash	1	Off		6	6	-	10	10	16
HSc	PF	Preparation & Preservation of Mango squash	1	Off		8	8	-	15	15	23
ASCI	RY	Garden Keeper	27	On	2	10	12	7	8	15	25
Ext	Pf	Ground nut cultivation	1	On				0	26	26	26
NF	PF	Natural farming	3	On	3	8	11	1	27	28	40

		Training									
Hort	Pf	Ground nut cultivation	1	On		12	12	0	18	18	30
Hort	Pf	Ground nut cultivation	1	On	5	37	42	-	60	60	102
Ext	Pf	Ground nut cultivation	1	On	3	8	11	6	37	43	54
H Sc	PF	Training on Account Keeping of SHG	1	Off	-	6	6	-	10	10	16
Ext	Pf	Production Technology of Kharif maize	1	On	1	4	5	-	21	21	26
Hor	PF	Paddy cultivation	1	On	8	6	11	4	9	13	27
NF	PF	Natural farming	3	On	17	17	34	1	22	23	40
Hor	PF	Training on Direct seeded Rice	1	On	7	30	37	3	2	5	46
Hor	EF	Training on empowerment of PACS Members	1	On	11	51	62	34	5	39	101
Ext	Pf	Scientific cultivation of Til	1	On	8	29	37	2	2	4	41
Ext	PF	Production Technology of soyabean	1	Off		11	11	8	23	31	42
Hor	EF	Empowerment of FPO under 100 days action Plan	1	On	7	-	7	31	7	38	45
Ext	PF	Production technology of Pigeon Pea	1	Off	3	-	3	29	9	38	41
Ext	PF	Scientific cultivation of pigeon pea SURAHI	1	Off	3	-	3	31	7	38	41
	RY	Training on stitching	6	On		30	30	-	-	-	30
Hor	PF	Training on scientific cultivation of Brinjal	1	On		30	30	-	-	-	30
Ext	PF	Scientific cultivation of black gram SURAHI	1	Off				6	37	43	43
Hor	PF	Training on scientific cultivation of rainy season vegetables	1	On		30	30	-	-	-	30
Ext	PF	Scientific cultivation of black gram	1	Off	7	-	7	20	-	20	27
Hor	PF	Training on scientific cultivation of Maize	1	On		30	30	-	-	-	30
Ext	PF	Scientific cultivation of Niger	1	Off	2	2	4	-	16	16	20
Ext	PF	Scientific cultivation of Niger	1	Off		18	18	-	-	-	18
Ext	PF	Disease and insect pest control in groundnut	1	Off		20	20	-	-	-	20
HSc	PF	Needs of plants for developing nutrition garden	1	On		6	6	-	26	26	32
Ext	PF	Scientific cultivation of Niger	1	Off				2	33	35	35
HSC	PF	Training on tender bamboo sooth pickle preparation	1	Off				3	23	26	26
Hor	RY	Training sewing and stitching	5	On		30	30	-	-	-	30
Hort	RY	Training on Vegetable cultivation	5	On		70	70	-	-	-	70
Ext	RY	Training on Vermi compost Production Technology	5	On		28	28				28
Hor	RY	Training on orchard Management	5	On	10	38	48	2	-	2	50

HSC	PF	Training on coconut jiggery laddu preparation	1	Off		16	16	-	-	-	16
HSC	PF	Training on Yam Pickle Preparation	1	Off		15	15	-	-	-	15
HSC	RY	Training on Storage of cucumber for long time	1	Off		15	15	-	-	-	15
HSC	PF	Importance of seasonal vegetables in diet	1	Off		16	16	-	-	-	16
	RY	Training sewing and stitching	5	On		22	22	-	-	-	22
HSC	PF	Importance of Vitamin A rich green vegetables	1	Off		17	17	-	-	-	17
HSC	PF	Importance of Vitamin A rich fruit to prevent malnutrition	1	Off		31	31	-	--	-	31
HSC	PF	Importance of cucurbit cease family seasonal vegetable for good health	1	Off		15	15	-	-	-	15
Ext	PF	Scientific cultivation of Mustard	1	On	1	17	18	2	8	10	28
Hort	PF	Management of Kharif Onion	1	On	18	15	33	-	-	-	33
Hort	Pf	Cultivation of cole crops	1	On	15	7		-	-	-	22
HSC	PF	Training on sweet potato its diversified use in daily routine	1	Off		14	14	-	16	16	30
Hsc	Pf	Training on guidelines for developing nutrional garden	1	Off		12	12	-	12	12	22
Rash mi	Pf	Cultivation of cole crops	1	On	25	2	27	-	-	-	27
Hort	PF	Scientific cultivation of mustard	1	Off				0	73	73	73
Spo	EF	Integrated Nutrients management	1	On				42	-	42	42
Extn	PF	Scientific cultivation of mustard	1	Off	6	20		-	--	-	26
Hort	Pf	Scientific cultivation of mustard	1	Off				6	61	67	67
Hort	Pf	Scientific cultivation of mustard	1	Off	7	5	12	12	32	44	56
HSc	Pf	Sweet potato source of income generation & sound health	1	Off	7	5	12	-	8	8	18
HSc	Pf	Sweet potato thekuwa preparation	1	Off		10	10	-	20	20	20
Extn	Pf	Scientific cultivation of mustard	1	Off	5	-	5	19	31	50	55
HSc	Pf	Training on importance of sweet potato	1	On		20	20	-	-	-	20
Hor	Pf	Scientific cultivation of mustard	1	On	10	30	40	-	-	-	40
Ext	PF	Training on Rabi Oilseeds Production	3	On		30	30	-	-	-	30
Ext	Pf	Scientific cultivation of linseed	1	On	7	4	11	2	27	29	40
Hor	Pf	Scientific cultivation of vegetables	1	On	3	27	30	-	-	-	30
Ext	Pf	Scientific cultivation of	1	On		25	25	-	2	2	27

		linseed									
Hor	Pf	Scientific cultivation of mustard	1	On		30	30	-	-	-	30
Hor	PF	Training on Rabi season vegetables Production	3	On		29	29	-	-	-	29
Ext	RY	Training on soil testing	1	On				4	4	8	8
Hor	Pf	Scientific cultivation of linseed	1	On		66	66	-	-	-	66
HSC	PF	Training on Sweet Potato burfi	1	Off				-	23	23	23
Hort	PF	Pest & disease control in mustard	1	On				2	27	29	29
Ext	EF	Training on soil testing	1	On	7	2	9	9	2	11	20
Hor	PF	Natural Farming	3	On		5	5	-	35	35	40
HSC	RY	Sweet Potato Gulab jamun	1	Off				-	20	20	20
HSC	EF	Use of sweet potato for daily diet for good health	1	Off				-	20	20	20
HSC	PF	Training on Sweet Potato laddu	1	Off				-	16	16	16



H) Vocational training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
	Gardening	Garden Keeper	27	15	10	25	Self	1	5	6
	Tailoring and Stitching	sewing and stitching	5	-	82	82	Self	4	4	15
	Production of low volume and high value crops	Vegetable cultivation	5	30	100	130	Production	10	15	228
	Vermi-compost production	Vermi compost Production Technology	5	-	28	28	Self	5	5	8
	Plant propagation techniques	Orchard Management	5	12	38	50	Self	1	0	0

**Training title should specify the major technology /skill transferred*

I) Sponsored Training Programmes

Sl.	Title	Thematic area	Month	Duration (days)	Client PF/RY/EF	No. of courses	No. of Participants										Sponsoring Agency
							Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Training on crop and Vegetable Production	Production of low volume and high value crops	Jan. 2024 to March 2024	3	PF	5	15	14	-	219	20	36	234	34	36	304	ATMA Bokaro
2	Garden Kepeer	Garden keeping		27	RY	1	7	2	6	8	1	1	15	3	7	25	ASCI
3	IPM	Integrated Nutrients management	October 2024	15	EF	1	42	-	-	-	-	-	42	-	-	42	DCO Bokaro

Area of training	No. of Courses	No. of Participants											
		General			SC			ST			Grand Total		
		M	F	Total	M	F	Total	M	F	Total	M	F	Total
Crop production and management													
Increasing production and productivity of crops													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
Post harvest technology and value addition													

Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total													

J. Information on ASCI Skill Development Training Programme funded by ICAR undertaken during 2024

Total no of training organised	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
1	Training Provider	Garden Keeper	27	2	1	6	1	7	8	15	10	25	2,40,500

K. Information on Skill Development Training Programme (Other agency if any) if undertaken

Total no of training organised	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

3.5. A. ACHEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers					Extension Officials					Total				
		M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Kisan Mela organized																
Kisan Mela participated	6	2240	1824	4066	659	825	7	5	12	2	2	2247	1829	4076	6610	827
Field Day	26	800	138	925	221	123	12	6	18	3	1	812	144	956	224	124
Kisan Ghosthi	6	160	20	180	26		16	5	21	2	2	176	25	201		
Exhibition organized																
Participation in exhibition	1	305	132	437	45	54	15	7	22	5	3	320	139	459		
Film Show	32	305	25	330	32	21	14	3	17	1	-	319	28	347		
Method Demonstrations	19	190	25	215	26	11	3	0	3	1	-	193	25	218		
Farmers Seminar																
Workshop	2	68	15	83	5	6	22	8	30	4	2	90	23	113		
Group																

discussion																
Lectures delivered as resource persons	116	430	15	445	104	41	8	3	11	1	-	438	18	456		
Advisory Services	256	295	118	413	33	12				-	-	295	118	413	33	12
Scientific visit to farmers field	46	182	104	286	22	41	18	2	20	4	-	200	106	306		
Farmers visit to KVK	2136	1412	724	2136	315	74						1412	724	2136	74	-
Diagnostic visits	61	356	49	415	54	42	18	10	28	6	2	374	50	424	60	44
Exposure visits	4	140	10	150	18	23	5	0	5	-	-	145	10	155	18	23
Ex-trainees Sammelan																
Soil health Camp	2	75	9	84	22	9	6	2	8	-	-	81	11	92	9	6
Animal Health Camp	1	30	2	32	5	1	4	0	4	-	-	34	2	36	5	1
Agri mobile clinic																
Soil test campaigns	4	310	17	327	87	54	14	3	17	3	1	324	20	344	90	1
Farm Science Club Conveners meet																
Self Help Group Conveners meetings																
Mahila Mandals Conveners meetings																
Celebration of important days (specify) Soil Health day	1	40	22	62	8	2	5	0	5	2	-	45	22	67	8	2
Sankalp Se Siddhi																
Swatchta Hi Sewa	6	180	20	200	19	32				-	-	180	20	200	19	32
Live telecast Natural farming	1	150	200	350	36	18	3	1	4	2	2	153	201	354	38	20
Plantation programme	1	150	10	160	33	15	5	1	6	2	-	155	11	166	39	15
Total	2727	7818	3479	11296	1770	1404	175	56	231	38	15	7993	3526	11519	7227	1107

B. Other Extension/content mobilization activities

Nature of Extension Activity	**No. of activities**
Newspaper coverage	26
Radio talks	0
TV talks	7
Popular articles published	2
Extension Literature	7
Electronic media	0
Any other	0

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology

D. Celebration of important days in KVKs

Celebration of Important Days	No. of activities	Farmers			Extension Officials			Total		
		M	F	Total	M	F	Total	M	F	Total
Republic day (26th Jan.)	1	70	8	78	25	8	33	95	16	111
International Women's Day (8th Mar.)	1	-	52	52	-	-	-	-	52	52
Ambedkar Jayanti (14th Apr.)	1	26	-	26	5	-	5	31	-	31
World's Veterinary Day (Last week of April)										
World 'Milk Day										
International Yoga Day (21st Jun.)	1	22	-	22	-	-	-	22	-	22
Independence Day (15th Aug.)	1	130	-	130	33	7	40	163	7	170
Parthenium Awareness Week	2	19	23	42	5	2	7	24	25	49
Hindi Diwas (14th Sep.)	1	14	-	14	2	-	2	16	-	16
Gandhi Jayanti (2nd Oct.)	1	26	-	26	-	-	-	26	-	26
Mahila Kisan Diwas (15th Oct.)	1	58	-	58	-	5	5	58	5	63
World Food Day (16th Oct.)	1	32	-	32	2	-	2	34	-	34
Vigilance Awareness Week	2	18	11	29	3	-	3	21	11	33
National Unity Day (31st Oct.)	1	19	-	19	-	-	-	19	-	19
World Science Day (10th Nov.)	1	12	4	16	3	3	6	15	7	22
National Education Day (11th Nov.)	1	16	-	16	4	3	7	20	3	23
Fisheries day (21 Nov)	-	-	-	-	-	-	-	-	-	-
National Constitution Day (26th Nov.)	1	17	-	17	3	-	3	20	-	20
World Soil Day (5th Dec.)	1	55		55	3	-	3	58	-	58
Kisan Diwas (23rd Dec.)	1	98	8	106	4	4	8	102	12	114
Any other day										

E. Interaction/Live telecast programme of Hon'ble PM/Hon'ble or Argil Minister

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1	28.02.2024	PM-KISAN Samman Nidhi Programme release of 16 th instalement	Hon'ble PM	78	8	0	86
2	01.05.2024	Vikshit Bharat	Hon'ble PM	56	8	0	64
3	18.06.2024	PM-KISAN Samman Nidhi Programme release of 17 thinstalment	Hon'ble PM	95	4	0	99
4	18.08.2024	National Pest Surveillance System (NPSS)	Hon'ble Agriculture Minister	74	7	0	81
5	20.09.2024	NISA Century Foundation day	His Excellancy President of India	65	3	0	68
6	05.10.2024	PM-KISAN Samman Nidhi Programme release of 18 th instalment	Hon'ble PM	93	5	0	98

3.5 A. PRODUCTION AND SUPPLY OF TECHNOLOGICAL PRODUCTS

A. Seed production at seed village

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided			
					SC	ST	Other	Total
Total								

B. Seed production at KVK farm

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals Paddy Ragi	IR64 Rajendra mansuri A404	41 21.4 5	237600 28800				
Oil seed Mustard Linseed	 BBM1 Priyam	 3 1.1	 240000 6600				
Pulses Lentil	Pusa Ageti	1	9800				
Green Manure							
Commercial crop							
Vegetables							
Fodder							

Spices							
Fruits							
Forest crop							
Ornamental/flower							
Medicinal							
Grand Total		**51.5**	**568000**				

C. Production of planting materials by the KVKs

Crop	**Variety**	**No. of planting materials**	**Value (Rs)**	**Number of farmers to whom planting material provided**			
				SC	**ST**	**Other**	**Total**
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato							
Brinjal							
Chilli							
Onion							
Others							
Commercialseedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruitsseedlings							
Mango							
Guava							
Lime							
Papaya							
Banana							
Ornamental plants							
Marigold							
Annual chrysanthemum							
Tuberose							
Others							
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							
Spices							

Grand Total							

D. Forest species

Crop	**Variety**	**No. of planting materials**	**Value (Rs)**	**Number of farmers to whom planting material provided**			
				SC	**ST**	**Other**	**Total**

E. Fodder crops saplings

Crop	**Variety**	**No. of planting materials**	**Value (Rs)**	**Number of farmers to whom planting material provided**			
				SC	**ST**	**Other**	**Total**

F. Production of Bio-Products

Name of product	**Quantity (Kg)**	**Value (Rs.)**	**No. of Farmers benefitted**			
			SC	**ST**	**Other**	**Total**
Bio-fertilizers						
Bio-food(Spirulina etc)						
Bio-pesticide						
Bio-agents (Trichocard etc)						
Worms (earthworm, silk worms etc)						
Bio-fungicide						
Others, please specify (Mushroom spawn, Culture Mineral Mixture, Coir pith compost, Cow dung, Cow urine						
Total						

G. Production of livestock & fisheries materials

Particulars of Live stock	**Name of the breed**	**Number**	**Value (Rs.)**	**No. of Farmers benefitted**			
				SC	**ST**	**Other**	**Total**
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							

Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Rabbitry							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							
Grand Total							

H. SOIL & WATER TESTING

a. **Details of equipment available in Soil and Water Testing Laboratory**

Sl. No	Name of the Equipment	Qty.
1	MRIDAPARIKSHAK	1
2	33SPECTROPHOTO METER	1
3	CO34MPRESSOR	1
4	DIGIT35AL FLAM PHOTO METER	1
5	36HOT PA36LATE	1
6	V.D.R.L SH37AKER	1
7	LABORATOR38Y CENTRIFUGE	1
8	HOT AIR OVEN39	1
9	AGAR SCREW40	1
10	HARVESTO KIT41	1
11	PH METER WITH ELECTRODE	1
12	EC METER WITH ELECTRODE	1
13	BLANCE 2. DIGIT	1
14	SHAKER	1
15	LABORATORY HOT PLATE	1
16	BOROSIL DISTIL WATER	1
17	PURE IT WATER	1
18	REFRIGERATOR	1
19	COMPUTER	1
20	PRINTER	1
21	AIR CONDITIONER	1

b. Details of samples analyzed so far

Total number of soil samples analyzed till now		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
550	3011	3561

c. Detail of Soil, Water and Plant analysis at KVK (2024)

Sl.	Analysis	No. of Samples analyzed	No. of Villages covered	No. of Farmers benefitted	Amount realized (Rs.)
1.	Soil	3011	156	3011	572090
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

d. Details of World Soil Day Celebration

Sl. No.	No. of Activity conducted	Soil Health Cards distributed	No. of farmers benefitted	No. of VIPs Number of	Name (s) of VIP(s) involved if any	Total No. of Participants attended the program
	1	75	75	0	0	82

I. Activities under Rain Water Harvesting structure and Micro Irrigation System

S.No	No of training programme conducted	No. of demonstrations	No. of plant material produced	Visit by the farmers (No.)	Visit by the officials (No.)

3.5. b. Seed Hub Programme - *"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India"*

Name of Seed Hub Centre:

Name of Nodal Officer :	Uday Kumar Singh
Address :	KrishiVigyan Kendra, Bokaro
e-mail :	kvk_bokaro@yahoo.co.in
Phone No. : Mobile :	06549-265048 (O) **9431176741 (M)** **7992322648 (M)**

1. Quality Seed Production of Pulses

Season	Name of crop taken under seed production	Name of variety taken under seed production	Crop and variety wise area (ha) covered under seed production	Crop and variety wise Yield (Q/ha)	Crop and variety wise quantity of seed produced (Q)	Crop and variety wise quantity of seed sale out (Q)	Crop and variety wise number of farmers purchased seed from KVK	Quantity of seed sale out to farmers (Q)	No of village covered through sale of seed	Quantity of seed sale out to other organization (Q)	Amount generated (Lakh) during 2024-24	Total amount (Lakh) in Seed Hub project presently

2. Financial Progress

Fund received	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2018-19				
2019				
2020				
2021				
2022				
2024				
2024				

3. Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	
Nursery	
Animal sector	
Mushroom / other enterprises	
Others	

3.6 HUMAN RESOUSES DEVELOPMENT, PUBLICATIONS, AWARDS & RECOGNITION

A. Details of Research papers published by KVK (with full title, author & journal)

S.No	Item	Details of publication bibliographic form (Authors name, year, title, volume, issue, page no, journal name)	NASS Rating	
			>6	<6
1	Research paper	Sonam Bhartia*, Lal Bihari Singhb & Adarsh Kumar Srivastavac 2024 "Assessment of nutrient quality status by interrelationship between Physical traits macronutrients of agricultural land in Baliapur, Dhanbad, Jharkhand" Biospectra : ISSN: 0973-7057, Vol. 19(1), March, 2024, pp. 175-180		

B. Details of Other Publications

Particulars	Details of publication bibliographic form	No of copies published (if any)	No of copies distributed (if any)
Abstracts in Seminar/conference/ symposia published			
Books published			
Book chapter published	Adarsh Kumar Srivastava ,Anil Kumar and Seema Singh "Empowerment of Schedule Caste and Schedule Tribe Womens in Bokaro Jharkhand" Women Empowerment in Agriculture: A Pathway towards Sustainable Development" ATARI Patna and NADCL Baramulla	100	100
Popular articles published			
Success story published			

TOTAL			

C. Details of Extension Publications

Particulars	Details of publication (Totle, authors name, organization)	No of copies published (if any)	No of copies distributed (if any)
Extension Bulletins published			
Agro-advisory bulletins			
Extension folders/leaflet/pamphlets			
Technical reports	Annual Report Annual Action Plan SAC Report CFLD Report Zonal Workshop Report	10	
News letter			
Electronic Publication (CD/DVD etc)			
TOTAL			

D. Details of HRD programmes undergone by KVK personnel

Sl. No.	**Name of KVK personnel**	**designation**	**Name of course/training program attended**	**Date**	**Duration**	**Organizer/Venue**
1.	Dr Adarsh Kumar Srivastava	Scientist (Agril. Extension)	Training on Extension Methodologies and Motivational Skill for Extension Personals	08.01.2024 to 12.01.2024	5	Directorate of Extension Education BAU Ranchi
2.						
3.						
4.						

E. Awards/Recognition

Institutional Award received by KVK

Sl. No.	Name of KVK	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority
1	Bokaro				

Award received by KVK Scientists

Sl.	Name of KVK personnel	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority

Award received by Farmers

Sl.	Name of KVK	Name of the Farmer	Name of the Award	Address	Contact No.	Value (In Amount/kind)	Achievement	Conferring Authority

3.7. TECHNOLOGY DEVLOPMENT

A. Give details of Innovative Methodology/Process/Product or Innovative Technology developed by KVK

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercialization/Patent

B. Give details of Organic farming practiced/Indigenous Technology/ITK practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Enterprise	Brief details of the ITK Practiced	Purpose/Impact of ITK	Impact of the technology

Give details of by the farmer (if Any)

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)

C. Indicate the Specific Training Need Analysis Tools/Methodology followed by KVKs

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed

4. IMPACT

A. Impact of KVK activities/large-scale adoption of technology

Name of specific	Brief details	No. of farmers	Horizontal spread	% Adoption	Impact of the	Impact of the	Change in income (Rs.)

area	of the area	benefitted	(in area/no.)		technology in subjective terms	technology in objective terms	Before (Rs./Unit)	After (Rs./Unit)

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

B. Details of entrepreneurship/startup developed by KVK

Name of the entrepreneur/ Name of the enterprise/firm	
Registered address of the entrepreneur/firm	
Year of establishment	
Type of Enterprise	
Registration details	
No of members associated	
Technical components of the enterprise (with commodity)	
Annual Income/revenue of the enterprise	
Role of KVK/Technology backstopping (quantitative data support)	
Period/Timeline of the entrepreneurship development	
Economic and Social status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Major achievements	
Major constrains	
Images/Imp Documents	

C. Success stories/Case studies, if any

1. Personal information

1.	Name of the farmer/ entrepreneur
2.	Date of Birth
3.	Education
4.	Farming Experience/ Experience in enterprise
5.	Cell no./ e-mail
6.	Full address
7.	Professional membership (Farmer club/SHG/ATMA/etc.)
8.	Major achievement of the farmers
9.	Awards received

2. Professional Information

1.	Title of the success story/case study
2.	Situation analysis/Problem statement (What prompted this initiative? What was the problem that needed to be addressed?)
3.	Plan, Implement and Support/KVK Intervention(s): (Describe what systems of extension have done to address the challenge. What technology/ technical knowledge being used? How were different agencies engaged in or consulted in the extension process? - Who, What, How)

4.	Details of Practices followed by the farmer
5.	Results/ Output (economical/ social/ etc.) (Key results/ Insight/ Interesting fact- initial, intermediate, or long-term outcome)
6.	Impact/ Outcome: (Determine the HIGHEST level of impact the program had on individuals, families,groupsand/orsociety-Provideashortsummary oftheactualchange(onknowledge,attitude,skills,practice, or policy) that took place. Provide quantitative measures, where possible and use simple graphs ortablestoillustrate a point.)*(50–100words)*
7.	Future plans
8.	Supporting Images

3. Economic Information

Enterprise	**Gross Income (annual)**	**Net income**	**Cost-Benefit ratio**

5. LINKAGES

5.1. Functional linkage with different organizations

S.No	Name of organization	Nature of linkage
1	DRDA, Bokaro	Infrastructure & sponsored training programme.
2	District Agriculture Office, Bokaro	Participation in training, FLD, Joint survey.
3	District Animal Husbandry Office Bokaro	Joint training programme & participation in meeting.
4	District Fisheries Office, Bokaro	Joint training programme & participation in meeting.
5	District Horticulture Office, Bokaro	Joint training programme & participation in meeting.
6	District Plant Protection Office Bokaro	Joint diagnostic survey & participation in meeting.
7	District Forest Office, Bokaro	Participation in meeting.
8	Agricultural produce market committee (Bazaar Samiti), Bokaro	Joint training programme, participation in meeting & joint Krishak Gosthi.
9	Lead Bank Manager office, Bokaro	Financial support from banks to trained persons for entrepreneur development.
10	Zonal Office, Bank of India Bokaro	Financial support from banks to trained persons for entrepreneur development.
11	NABARD Bokaro	Formation of SHG, Kisan Club & Training.
12	Tata Steel Rural Development Society, Bokaro	Joint training programme & participation in meeting.
13	NGO Samarpan	Joint training programme.
14	Krishi Bikash Shilpa	Joint training programme.

	Kendra, Birbhum(W.B)	

5.2. Details of Externally funded project & Programmes during 2024 (Eg. ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies) (information of previous years should not be provided)

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Extension Reforms Scheme	Farmers-Scientist Interaction Programme	December 2023 to March 2024	ATMA Bokaro	80,000.00
ATMA Capacity Building	Framers Scientist Interaction Programme	December 2024	ATMA Bokaro	20,000
ATMA Capacity Building	Farmers Training Programme	December 2024	ATMA Bokaro	1,08,000
Capacity Building	Training of PACS Members	October 2024	DCO Bokaro	6,30,000

(b) Programme for other activities (training, FLD, OFT, Mela, Exhibition etc.)

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)

6. PERFORMANCE INDICATORS

6.1. Performance of demonstration units (other than instructional farm)

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.									
2.									
3.									
4.									
5.									
6.									
7									

.									
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	

6.3. Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.					

6.4. Performance of Instructional Farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							
2.							
3.							

6.5. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning

6.6. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
October	42	15	
December	17	30	

Total:	59	45	

(For whole of the year)

6.7 Utilization of staff quarters

- Whether staff quarters have been completed:
- No. of staff quarters:
- Date of completion:
- Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Main Account	State Bank of India	Petarwar Bokaro	11472450621
Revolving	State Bank of India	Petarwar Bokaro	11472450632
CFLD Pulse	State Bank of India	Petarwar Bokaro	42317474040
CFLD Oilseeds	State Bank of India	Petarwar Bokaro	42317561488
Natural farming	State Bank of India	Petarwar Bokaro	42148475157
Seed Hub	State Bank of India	Petarwar Bokaro	36065817352

7.2. Utilization of funds under CFLD on Oilseed *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Ground Nut	1440000		1440000		Nil
Soyabean	600000		600000		Nil
Sesame	160000		160000		Nil
Niger	800000		800000		Nil
Mustard		1800000		1800000	Nil
Linseed		320000		320000	Nil

7.3. Utilization of funds under CFLD on Pulses *(Rs. In Lakhs)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2022
	Kharif	Rabi	Kharif	Rabi	
Pigeon Pea	765000		765000		
Black Gram	540000		540000		
Lentil		405000	-	405000	

7.4. Utilization of KVK funds during the year 2022 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			

2	Traveling allowances			
3	Contingencies			
A				
B				
C				
D				
E				
F				
G				
H				
I				
J	Swachhta Expenditure			
TOTAL (A)				
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

7.5. Status of Revolving fund (Rs. in lakh) for last three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2021	849094.00	290040	780816	358318
2022	358318	447501	1066720	(-)243589
2023	1216577	294469	1069124	982554
2024	982554	3206693	4107910	81337

7.6. (i) Number of SHGs formed by KVKs
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities
(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activities	Season	With line department	With ATMA	With both
Field Days	10	Kharif & Rabi	Agriculture		both
Farmers Scientist Interaction	2	Kharif & Rabi	Agriculture	ATMA	both
Krishak Gosti	13	Kharif & Rabi	Agriculture		both
Workshop	2	Kharif & Rabi	Agriculture		both
Kisan mela	3	Rabi	Agriculture		both
Awareness programme	12	Kharif & Rabi	Agriculture		both

Combined visit under FLD programme	21	Kharif & Rabi	Agriculture		both
Training	3		Agriculture	ATMA	Both
Farmers Scientist Interaction	2	Kharif & Rabi	Agriculture	DAO	both

7.8 Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	lodging charge	12000.00	IINRG (
2.	Mustard	20400.00	Mustard
3.	Paddy Seed	36900.00	Paddy Seed
4	Ragi Seed	4800.00	Ragi Seed
5	Soil Testing (PRADAN)	7500.00	Soil Testing (PRADAN)
6	SARDA	17500.00	SARDA
7	Lodging charge	8000.00	ICAR (NF)
8	Institutional	70000.00	PMKSY (WS)
9	Paddy straw	7000.00	Paddy straw
10	KVK Pond Fish	5000.00	Umesh Kr. Nayak ()
11	Institutional charge	4000.00	JREDA, Ranchi
12	Vegetable Sale	4760.00	Vegetable (KVK Farm)
13	Mango fruit Sale	50907.00	Mango fruit (KVK Farm)
14	Institutional charge	3500.00	NSC, Ranchi
15	lodging & Institutional)	20000.00	Mali Training (
16	Institutional Charge	25000.00	Watershed ()
17	Paddy Seed	272800	Paddy seed 62 qt booked under TSP & SCSP
18	Seed sale	39,600	Paddy Seed
19	Seed Sale	37000	Paddy seed
20	Institutional Charge	67500	PACS Training
21	Hall Charge/Hostel	67500	PACS Training
22	Institutional	275000	JJY Training
23	Mango Plants	8000	
24	Natural farming BRC	60000	
	Total	**11,24,667.00**	

7.9 Resource Generation

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created

8. **MISCELLANEOUS INFORMATION**

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)

8.3. Nehru Yuva Kendra (NYK) Training

Title of the training programme	Period		No. of the participant		Amount of Fund Received (Rs)
	From	To	Male	Female	

8.6 Details of '*Pre-Rabi Campaign'* Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darshan	Coverage by other channels
				Attended the programm	Chairman ZilaPanch ayat	Distt. Collector/ DM	Bank Officials	Farmers	Officials, PRI members	Total		

8.7. Vikisit Viksit Bharat Sanklap Yatra

Sl.	No of events attended	No. of Gram Panchayat covered	Total no of farmer participated	No of Lecture Delivered on Soil Health/ Natural Farming

8.8. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK

8.9 Information on Visit of VIP/Ministers/ MP/MLA/DM/VC/Zila Parishad/Other Head of Organization/Foreigners/other Dignitaries to KVKs, if any

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)

8.10 Details of Scientific Advisory Committee (SAC) Meetings

Date	No of participants	Total statutory members present (sate line department)	Salient recommendations	Action Taken	If not, State reason
20.12.2023	35	35	Suggestions emerged for production of value-added products with maintaining complete chain of value addition process like market acceptability, market importance etc.	Jam and squash of Jackfruit and papaya jam produce and marketed by SHG under the guidance of KVK Scientist	
			As there is demand of vegetables and fruit cultivation in the Petarwar region, suggestions for production and sale of seedlings and saplings of new vegetables and fruits through of KVK, Bokaro Center	KVK Petarwar prepared 6000 mango sapling of Amrapali, Mallika, Langra, Malda and Himsagar for sale and distribution under different schemes. More than 50000 seedling produced by trainees trained by KVK of tomato, brinjal chillies has been distributed under SCSP and TSP 1054 farmers	
			Dried product of Jackfruit was discussed briefly and suggested for its popularization	One OFT on dried product of jackfruit is planned and to be conducted during this year	

			It was decided to promote bel cultivation under limited water condition in the district. Suggested for training and demonstration on bel	Two training programme conducted in which 56 beneficiaries on plant propagation techniques of bael.	
			It was suggested that there is need of training and demonstration on milk processing, as there is availability of milk in the villages of Petarwar	One training of 24 participants of milk producing farmers conducted on processing of milk and their product like Paneer, sweets and ghee	
			It was decided to promote the fodder production programme for milch animals	Two training on production of fodder crop has been planned in this year	
			Suggestions emerged for development of natural/ organic farming model at KVK Bokaro	KVK has already conducted one training of 40 farmers and 15 awareness programme were already organized. One Bio Resource Centre has been established at KVK and one female lady Soni Devi. 8 demonstration on Natural Farming has been conducted. At KVK 0.4 Ha. Plot for natural farming established	
			Strengthening of Farmer Produce Organization (FPO) with linking of farmers working at ground level was decided. KVK Bokaro should give the technical back stopping	Technical backstopping and guidance is already been given to all FPO of the district formed by NABARD. One exposure visit has been conducted of 100 members on 20.09.2023 INNRG Namkum Ranchi. They also given foundation seed for seed production programme of lentil and arhar	

**Salient recommendations of SAC in bullet points*

Details of other meeting related to ATARI

Date	Type of Meeting	Agenda	Representative from ATARI

9. Details of attachment training (RAWE/ FET for ARS/Others) through KVK

Type of attachment	No of student trained	No of days stayed
RAWE	**13**	**45**
RAWE	**17**	**30**

10. Any other programme organized by KVK, not covered above

11 PROJECT-WISE REPORTING (Applicable for KVKs identified under the given project)

11.1. Details of Cereal Systems Initiative for South Asia (CSISA)

Season	Village Covered (no.)	Block Covered (no.)	District Covered (No.)	Respondent (no.)	Trial Name	Area covered (ha)	Name of Crop	Technology Options	Variety name	Duration (Days)	Sowing date	Harvesting date	Days of Maturity	Grain Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	BCR

11.2 Details of Tribal Sub Plan (TSP)

a. Achievements of physical output under TSP

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	4	185
b.	Women	6	236
c.	Rural Youths	-	-
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries

3)	FLD	No. of FLDs	No. of beneficiaries
		5	225
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		5	175
5)	Other activities		
a.	Participants in extension activities (No.)	5	
b.	Production of seed (q)	5	
c.	Production of Planting material (No. in lakh)	0.25	
d.	Production of Livestock strains (No. in lakh)	--	
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)	811	
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	50	
h.	No. of other programmes oraginsed (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	5	

b. Fund received under TSP in 2024-25 (Rs. In lakh):160000

c. Achievements of physical outcome under TSP during 2024

Sl. No.	Description	Unit	Achievements
1	Change in family income	5%	25
2	Change in family consumption level	5%	15
3	Change in availability of agricultural implements/ tools etc.	No. per household	50

d. Location and Beneficiary Details during 2024

District	Sub-district	No. of Village covered	Name of village(s) covered	ST population benefitted (No.)		
				M	F	T
Bokaro	Chas	5				

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	3	135
b.	Women	5	182
c.	Rural Youths	3	82
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries

		30	76
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		95	95

Name of KVK	NRM		Crop production		Livestock & Fisheries			Capacity Building		Extension Activities	
	Demonstrations	Area (ha)	Demonstrations	Area (ha)	Demonstrations	Area (ha)	No. of animals	No of Courses	Farmers	No. of programmes	
Zone IV											

5)	Other activities	
a.	Participants in extension activities (No.)	225
b.	Production of seed (q)	40
c.	Production of Planting material (No. in lakh)	12000
d.	Production of Livestock strains (No. in lakh)	----
e.	Production of fingerlings (No. in lakh)	-----
f.	Testing of Soil, water, plant, manures samples (Nos.)	425

11.4. NICRA (Technology Demonstration component)

Overall achievements

Basic Information

KVKs Name	Districts data				NICRA Adopted village					
	RF (mm) district		Temperature ^{0}C		Dry spell/ drought			Intensive rain >60 mm	Flood	
	Normal	Received	Max.	Min.	> 10 days	> 15 days	> 20 days		Water depth (cm)	Duration (days)

Performancesofdemonstrationofin-situmoistureconservation technologies

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performances of water harvesting and recycling for supplemental irrigation

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

PerformanceofZTDinvarious crops

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)	Economics of demonstration (Rs./ha)		
						Gross Cost	Net Return	BCR

Performanceofartificialgroundwaterrechargetechnologiesdemonstrated

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performanceofdifferentwatersavingirrigationmethods

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Rainwaterharvestingstructuresdeveloped

New(Nos.)	Renovated(Nos.)	Total	Storagecapacity (cu m)	Protectiveirrigationpotential(ha)	Cropping Intensity (%) increase

Performanceofdifferentdroughttolerantvarieties

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofdifferentshort duration rice varieties

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofdifferentfloodtolerantvarieties

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofadvancementofplantingdatesindifferentcrops

FST type	Crop /	Technologydemonstrated	No.of	Area(ha)/Unit	Yield	Economicsofdemonstration(Rs/ha)

	season (name)		farmers		(q/ha)			
						GrossCost	NetReturn	BCR

Performancesofwatersavingtechnologiesforricecultivation

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha))	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Integration of cropping system with other farming

FST type	Crop / season (name)	Fodder quantity (dry/ green) utilized for livestock	No.of farmers	Area(ha)/Unit	Yield (q/ha))	% of reduced fodder purchase from outside

PerformanceofCommunitynurseries

FST type	Crop / season (name)	Technologyde monstrated	No.of farmers	Area(ha)	Coverage area (ha)	Economicsofdemonstration(Rs/ha)		
						CoC of nursery	NR from nursery	BCR
	Ragi							
	Paddy							
	Vegetable (name)							
	Other							

CoC: Cost of cultivation (Rs.); NR: Net return (Rs.); BCR: Benefit cost ratio

Performance of different location specific intercropping systems

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						Gross Cost	NetReturn	BCR

PerformanceofdifferentcropdiversificationinNICRAvillages

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofotherdemonstration

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofdifferentfodderdemonstrationincommunitylands

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofimprovedfodder

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofvariousvaccinationcampsorganized

FST	Type of animal and Month	Technology demonstrated	No. of farmers covered	o. of animal covered			
					Less 1 yr calf	Heifer	Adult
		FMD					
		HS					
		BQ					

For Goat/ sheep/ pig

FST	Type of animal and Month	Technology demonstrated	No.of farmers covered	No.of animal covered			
					Kid	Buck	Doe
		PPR					
		Swine flue					
		FMD					

For poultry

FST	Type of	Technology demonstrated	No.of farmers	No.of	

	animal and Month		covered	animal covered	Chick (<9 weeks)	Growing chickens (9-20 week)	> 20 weeks
		Ranikhet disease					
		Bird flu					

Performanceoffishintheponds/ water bodies

FST	Fish species	Technologydemonstrated with dose rate	No.of farmers	Area(ha)/Unit	Fish yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						CoC	NR	BCR

PerformanceoflivestockdemonstrationinNICRAadoptedvillages (Buffalo/ Cow)

FST type	Animal / season (name)	Technologydemonstrated	No.of farmers	No. of animals/ unit	Milk yield (liters/ lactation)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

PerformanceoflivestockdemonstrationinNICRAadoptedvillages (Goat/ sheep/ Pig)

FST type	Animal / season (name)	Technologydemonstrated	No. of farmers	No. of animals/ unit	Body wt. (Kg/ animal)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

PerformanceoflivestockdemonstrationinNICRAadoptedvillages (poultry)

FST type	Birds / season (variety/breed)	Technologydemonstrated	No.of farmers	No. of birds / unit	Body wt. (Kg / bird)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofimprovedsheltersforpoultryanddairyanimals

FST	Technology demonstrated	No. of farmers	Demo. Unit size (No.)	Survival rate		% Increase in survival	Economics (Rs. /ha)			
				Demo	Local		Gross Cost	Gross Return	Net Return	BCR

INSTITUTIONAL INTERVENTION

Name Of KVK	Seed bank		Fodder bank	
	Crop with variety	Quantity in (q)	Fodder crop with variety	Quantity in (q)

Revenue generated through Custom Hiring Centres and VCRMC in KVKs

NameofKVK	RevenueGenerated(Rs.)	
	FromCustomHiringCentres(2022-23)	TotalunderVCRMC

ExtensionActivities

Nameoftheactivity	Numberof Programmes	No.ofbeneficiaries		
		Male	Female	Total

SoilHealthCardpreparedanddistributed

KVK	No.ofsoilsamplescollected	No.ofsamplesanalysed	SHCissued	No.offarmersbenefitted

ConvergencePrograme

KVK	DevelopmentScheme/Programme	Natureofwork	Amount(Rs.)

DignitariesvisitedNICRAVillages

NameofKVK	NameofVIPs/Experts	Dateofvisit

Newspaper Coverage

Publication (ResearchPaper, Book, Technicalbulletins Paperpresentedinnational/international seminars etc.)

Success Stories (1-2 nos.)

Name of PI & Co-PI List

Name of KVK	Name of PI	Name Of Co PI

Table: Capacity development (Training On-campus) organized under TDC-NICRA

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category			
				Male	Female	General	OBC	ST	SC

Table: Capacity development (Training Off-campus) organized under TDC-NICRA

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category			
				Male	Female	General	OBC	ST	SC

Table: Custom Hiring of Farm-Implement

Name of farm implement/ equipment	No. of farmers used Implement	Area covered by Farm Implement	Farm Implement used (In Hours)	Revenue generated by Farm Implement (Rs.)	Expenditure incurred on repairing (Rs.)

Table: Village wise VCRMC

Village name	VCRMC Constitution date	VCRMC members (no.)		Meetings organized by VCRMC (no.)	Date of VCRMC meeting	Name of Secretary	Name of President	Major decision taken
		M	F					

Attachments: Good quality Photograph

11.5. Formation and Promotion of FPOs as Cluster Based Business Organization (CBBOs)

Name of State	Name of district	No. of blocks allocated	No. of FPOs registeredas CBBO	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	Tech. backstopping provided to no. of FPOs	No. of training programme organized for FPOs for Technology backstopping as CBBO	Training received by FPO members (Y/N) If yes then major area of training	Assistance to no. of FPOs in economic activities	Is Business plan prepared for FPOs as CBBOs	Is Business plan prepared for FPOs as without CBBOs	No. Of FPOs doing business

Details of commodity-based organizations/ farmers' cooperative society/ FPO formed/ associated with KVK under NCDC funding

S.No	Name of the FPO	Address of FPO	Registration No and Date	Proposed Activity	Commodity Identified	Total No. of BOM Members	Total no of farmers attached	Financial position (Rupees in lakh)	Success indicator

11.6. Nutri-Sensitive Agricultural Resources and Innovation (NARI)

a. Overall achievement

No. of Nutri smart	Total Area covered	Total No of OFT organized	Total No. of FLD organized	No. of training/capacity development	Total No. of farmers/ beneficiaries	No of Extension programmes	Total No. of farmers/ beneficiaries

village developed				programme			

b. Details of OFT/FLD

OFT		
Nutritional Garden		
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise)		
	Area (ha/ no. of Unit/Enterprise)	**No. of farmers/ beneficiaries**
FLD		
Nutritional Garden		
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise)		

c. Details of established Nutrition Garden in Nutri-Smart village

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.		Backyard/Kitchen Garden			
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL					

d. Details of Bio-fortified crops used in Nutri-Smart village

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of benefi-ciaries

e. Details of Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value-added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries

11.7 Attracting and Retaining Youth in Agriculture (ARYA)

Name of Enterprises	No of Skill training conducted (No.)	Name of Training	Duration (Days)	Youth trained (No.)	Established entrepreneurial unit (No.)	No. of Groups Formed for establishment of unit	No. of Members in each Group	No. of Groups active	No. of person left the group	Total Viable unit (No.)	Average size of each entrepreneurial unit	Total Production /unit / year	Per unit cost of Production (Rs)	Sale value of Produce (Rs.)	Gross Return/Unit /Year (Rs.)	Economic Gains / unit (Rs.)	B:C Ratio	Employment generated/ year (manday @ 8 hr/ day)

1.8 Out-scaling of Natural Farming Format

Geographical information

Name of State		**Jharkhand**	
Name of KVK		**Bokaro**	
Agro Climatic Zone of Village/KVK		**IV**	
Farming Situation of the Selected Farmer/KVK		**Latitude (N)**	**Longitude (E)**
		23.618639	**85.856421**

Physical information

Name of KVK	**Name of activity**	**No of activities organized**	**No of participants**	**Participants (Male)**						**Participants (Female)**					
				GEN	OBC	SC	ST	Others	**Total**	GEN	OBC	SC	ST	Others	**Total**
Bokaro	Training	8	563			0	17	28	45			2	155	361	518
Bokaro	Awareness	5	2083			222	91	529	842			308	209	724	1241
Bokaro	Demonstration	12													
Bokaro	Other activities														

Training information

Tittle of Natural Farming training Programme	**Date of Training**	**Venue of programme**	**Participants (Male)**						**Participants (Female)**							**Remarks/ Observation/Feedback Recorded**
			GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total	**GT**	
Training on natural farming	29.01.24-31.01.24	On					60	60							60	
Training on natural farming	05.02.24-07.02.24	On					80	80	-	-	-	-	-	-	80	
Training on natural farming	22-24.02.24	Off				14		14				66		66	80	
Training on Natural Farming	13-18.03.24	Off					26	26					137	137	163	
Training on Natural Farming	26-28.03.24	On										60		60	60	
Training on Natural Farming	03-5.06.24	On				3	1	4			1	8	27	36	40	
Training on Natural Farming	05.07.24-07.07.24	On					1	1			1	16	22	39	40	
Training on Natural Farming	11-13.12.24	On										5	35	40	40	

Awareness programme information

Tittle of Natural Farming Awareness programme	**Date of Awareness programme**	**Venue of programme**	**Participants (Male)**						**Participants (Female)**							**Remarks/Observation/Feedback Recorded**
			GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total	**GT**	
Awareness programme on Natural farming	15.01.24	Off			102	41	189	332			200	55	215	332	700	
Awareness programme on natural farming	19.01.24	Off			28	13	51	92			44	36	178	258	350	
Awareness programme on natural farming	26.01.24	Off			24	23	156	203			65	48	74	269	472	
Awareness programme on natural farming	30.01.24	Off			21	5	78	104			39	23	109	171	275	
Awareness programme on natural farming	31.01.24	Off			47	9	55	111			62	47	148	257	368	

Any other Programme /Activity organized for Natural farming promotion		
Name of the Innovative programme organized	**Significance of innovative programme**	**Remarks/Observation/Feedback Recorded**

Details of Beneficiaries under Demonstration at Farmer's Fields

Name of KVK	No. of blocks covered	No. of village covered	Total no. of Trained/Practicing NF Farmer	No. of farmers influenced to adopt NF	No. of farmers with whom the NF farmer can engaged all season	No. of farmers with whom the NF farmer can engage in 1 season	Any Remarks (in <50 words)
Bokaro							

Demonstration Information

KVK/ Farmer wise information of demonstration conducted till date			
Name of State			
Name of KVK/Farmer where demonstration conducted			
Address of Farmer with contact detail			
Agro Climatic Zone of KVK/Village of farmer			
Cropping patter of KVK plot/ Farmer plot			
Farming Situation of the Selected KVK/Farmer		**Latitude (N)**	**Longitude (E)**

Name of Activity	**Crop**	**Variety**	**Season (Kharif /Rabi/ Summer)**	**Name of Natural Farming components/Technology demonstrated**	**Area (ha) in Natural farming practice**	**Detail of farmer practice**	**Observations Recorded**		
							Name of parameter	**Performance**	
								Without NF practice	**With NF practice**
							Plant height (cm)		
							Other relevant parameter		
							Yield (q/ha)		
							Cost of cultivation (Rs/ha)		
							Gross Return (Rs/ha)		
							Net Return (Rs/ha)		
							B:C Ratio		
							Soil PH		
							Soil OC (%)		
							Soil EC (dS/m)		
							Available N (Kg/ha)		
							Available P (Kg/ha)		
							Available K (Kg/ha)		
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer									

Information of Farmer Already Practicing Natural Farming

S. No.	Name of District	Name of Farmer	Name of Village and address with contact No	No. of Indigenous (Desi Cows)	Land Holding (ha)	Normal Crops Grown	No. of Years practicing in Natural Farming	Area (ha) Covered under Natural Farming	Crop Grown under Natural Farming	Natural Farming Technology practicing/ adopted	Observations Recorded		
											Name of parameter	Performance	
												Without NF practice	With NF practice
											Plant height (cm)		
											Other relevant parameter		
											Yield (q/ha)		
											Cost of cultivation (Rs/ha)		
											Gross Return (Rs/ha)		
											Net Return (Rs/ha)		
											B:C Ratio		
											Soil PH		
											Soil OC (%)		
											Soil EC (dS/m)		
											Available N (Kg/ha)		
											Available P (Kg/ha)		
											Available K (Kg/ha)		
											Soil Microbes (cfu)		
											Any other, specify		

Feedback of farmer:

Soil Data information

Soil Parameter for Demo plot at KVK Farm

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)

Soil Parameter for Non-Demo plot at KVK Farm

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)

Soil Parameter for Demo plot at Farmer's Field

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)

Soil Parameter for Non- Demo plot at Farmer's Field

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)

Financial information

Budget Expenditure (Rs. in Rs)				
Name of activity	Number of activities organized	Budget sanction (Rs)	Budget expenditure (Rs)	Total Budget Expenditure (Rs)
Training				
Awareness Programme				
Demonstration				
Miscellaneous				
Total				

Glimpses of various Activities (Good Quality Action Photographs)				
Name of activity	1	2	3	4
Training programmes				
Awareness programmes				
Demonstrations (KVK/Farmer filed)				
Any other activities				

11.7 CRA (Climate Resilient Agriculture)

Technology demonstrated/ interventions	Cropping system	Farming System crop under demonstration			Area under Demonstration (in acre)			No. of farmers under demonstration			Category				Crop Yield (q/ha)			System productivity (q/ha)	Total return (Rs./ ha)	Yield obtained under Farmer Practices (q/ha)	Exposure visit (no.)	Number of farmers under exposure
		Kharif	**Rabi**	**Summer**	**Kharif**	**Rabi**	**Summer**	**Male**	**Female**	**Total**	**SC**	**ST**	**OBC**	**Gen**	**Kharif**	**Rabi**	**Summer**					

11.8 District Agro Meteorological Unit (DAMU)

S. No	No. of Block agromet advisories send	No. of advisory bulletin published	No. of Farmers Awareness programmes organized	No. of farmers feedback received	No. of farmers received agromet advisory bulletin	No. of publication

11.9 KSHAMTA

Number of Adopted Villages	**No. of Activities**		**No. of farmers benefited**	
	Demo	Training	Demo	Training

11.10 Agri-Drone

S. No.	Name of parameter	Details of parameter
1	Name of the project implementing centre (PIC)	
2	No. of Agri Drones Sanctioned	
3	No. of Agri Drones Purchased	
4	Amount sanctioned (Rs)	
5	Purchased cost of each Drone (Rs.)	
6	Company and Model of Drone	
7	Name and contact No of Agri Drone Pilot	
8	Target Area for Agri Drone Demonstration (ha) (1 demo = 1 ha area)	

9	Amount sanctioned for Agri Drone Demonstrations (Rs.)	
10	Amount utilised for Agri Drone Demonstrations (Rs.)	
11	Area covered under demos (area in ha)	
13	Operation carried out (Pesticide/Weedicide/Nutrient application) in demonstration organised	
14	Number of farmers participated during demonstration	
15	Advantages of using Agri Drones as observed during the demonstrations	

Details of Demonstrations under Agri-drone Project

	Name of district	Date of demonstration	Place of demonstration	Crop Name	No. of demos	Area covered under demos (area in ha)	No of farmers participated
Demos on insecticide spray							
Demos on weedicide spray							
Demos on nutrient spray							

11.11 Augmenting Rapeseed- Mustard Production of Tribal Farmers of Jharkhand state for Sustainable Livelihood Security under Scheduled Tribe Component.

Varieties used	Situations (Irrigated/ Rainfed)	Varieties used in FP	Yield (Kg/ha)		YIOFP (%)	COC (Rs./ha)		GMR (Rs./ha)		ANMR (Rs./ha)	B:C ratio GMR/CoC	
			IP	FP		IP	FP	IP	FP		IP	FP

S.No	Item /Activity	Units	Quantity	No of beneficiaries
1	Training (Capacity building /skill development etc)			
1.1	1-3 days	No.		
2	Frontline demonstration (FLDs) and other demonstrations			
2.1	Area under FLDs	Hectare		
3	Awareness camps, exposure visit etc	No.		
4	Input Distribution			
4.1	Seeds (Field Crops)	Kg		
4.2	Small equipment's (Upto ₹ 2000)	No.		
4.3	Large equipment's (more than ₹2000)	Nos.		
4.4	Fertilizers (NPK)/ Secondary/ Micro Fertilizers	Kg		
4.5	Plant Protection chemicals	Lit.		
5	Distribution of Literature	No.		
6	Kisan Mela	No.		
7	Any other (specify)	No.		
8	**Total Budget Utilized**	**Rs**		

12. OTHER INDFROMATION

12.1 Integrated Farming System (IFS)

a. Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year

b. Activities under IFS

Sl. No.	Component Name	No. of KVKs under the Component	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
					Demo	Training	Demo	Training
1.								
2.								

12.2 Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I					
II					
Total					

12.3 . PPV & FRA Programme

Date of training/awareness programme	Venue	Resource Person	No. of participants

Details of plant varieties registered

Name of crop Registered	Year of registration	Registration number	Farmer name and details	Adress of the farmers

12.4 . a. Observation of Swachhta hi Sewa (2nd -31st Oct 2024)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
25	8	8	255	18	281

b. Observation of Swachta Pakhwada (15 Dec -31st Dec 2024)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
	Digitization of office records/ e-office	4	5	0	9
	Basic maintenance	8	15	2	25
	Sanitation and SBM	5	35	5	45
	Cleaning and beautification of surrounding areas	6	0	4	10
	Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	4	42	8	54
	Used water for agriculture/ horticulture application	2	22	18	42
	Swachhta Awareness at local level	3	32	54	91
	Swachhta Workshops	5	35	11	51
	Swachhta Pledge	8	14	3	25
	Display and Banner	2	12	0	14
	Foster healthy competition	2	32	4	38
	Involvement of print and electronic media	2	45	16	63
	Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	5	41	24	70
	No. of Staff members	8	0	0	8

	involved in the activities				
	No of VIP/VVIPs involved in the activities	0	0	0	0

c. Details of total budget expenditure on Swachh activities including SAP

S.No	**Activities**	**No of village covered**	**Total Expenditure (Rs.in Lakhs)**
1.	Vermicomposting	**5**	**8500**
S.No	**Activities**	**Name of activities conducted**	**Total Expenditure**
1.	Activities under Swachata Other than vermicomposting	**Sanitation, awareness**	**7500**

12.5 Good quality action photographs with caption in JPEG FORMAT SEPARATELY of overall achievements of KVK during the year

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